

APIP Monoclonal Antibody (19F461)

Catalog NumberMA1-41247

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Mouse / IgG2b, kappa	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody		
Clone	19F461	Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL
Immunogen	Recombinant APIP protein.	Western Blot (WB)	1-2 µg/mL
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Protein G		
Storage buffer	PBS with 0.05% BSA		
Contains	0.05% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Suggested positive control: HeLa or 293, antigen standard for APIP (transient overexpression lysate).

Background/Target Information

The mammalian homologues of the key cell death gene CED-4 in C. elegans has been identified recently from human and mouse and designated Apaf 1 (for apoptosis protease-activating factor 1). Apaf 1 binds to cytochrome c (Apaf 2) and Caspase-9 (Apaf 3), which leads to Caspase-9 activation. Activated Caspase-9 in turn cleaves and activates Caspase-3 that is one of the key proteases, being responsible for the proteolytic cleavage of many key proteins in apoptosis. Recently, Cho et al (4) have identified a new Apaf 1 Interacting Protein (APIP) also known as CG129 and MMRP19, as a negative regulator of ischemic injury. APIP competes with Caspase-9 binding site of Apaf 1. APIP is predicted to code for a 204 amino acid. An isoform of APIP, APIP2 encodes a 242 amino acid protein, which is an alternative splicing variant differing in its N-terminus from APIP. APIP transcript is ubiquitously expressed in most adult tissue with high expression in skeletal muscle, heart, and kidney.

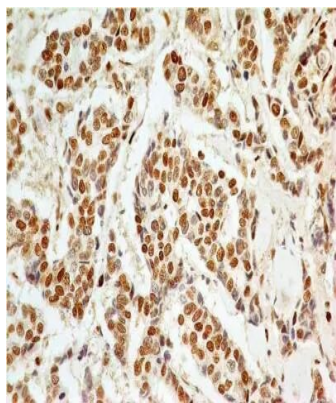
For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

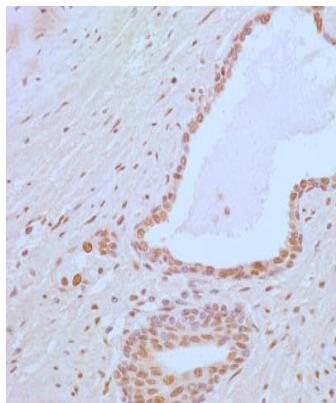
NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.

## Product Images For APIP Monoclonal Antibody (19F461)



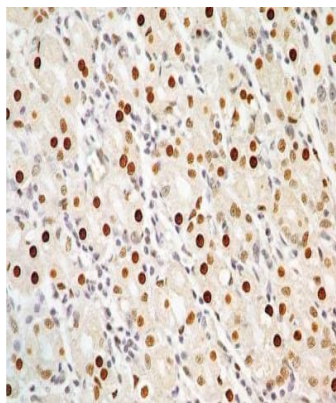
### APIP Antibody (MA1-41247) in IHC (P)

Immunohistochemical analysis of APIP in formalin-fixed, paraffin-embedded adenocarcinoma of the breast. Samples were incubated in APIP monoclonal antibody (Product # MA1-41247) using a dilution of 5 µg/mL followed by peroxidase-conjugate and DAB chromogen. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



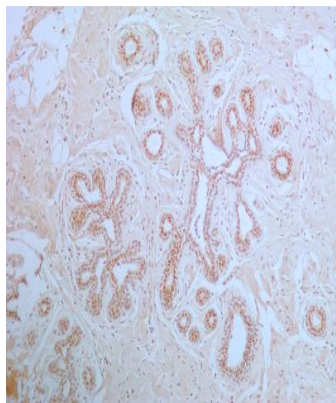
### APIP Antibody (MA1-41247) in IHC (P)

Immunohistochemical analysis of APIP in a section of normal prostate from human. Samples were incubated in APIP monoclonal antibody (Product # MA1-41247) using a dilution of 5 µg/mL. The tubuloalveolar glands in prostate section depicted APIP positivity in the cytoplasm and nuclei of the epithelial cells. The fibro-muscular stroma showed an overall weak staining with intense nuclear positivity in some cells.



### APIP Antibody (MA1-41247) in IHC (P)

Immunohistochemical analysis of APIP in formalin-fixed, paraffin-embedded human stomach. Samples were incubated in APIP monoclonal antibody (Product # MA1-41247) using a dilution of 5 µg/mL followed by peroxidase-conjugate and DAB chromogen. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



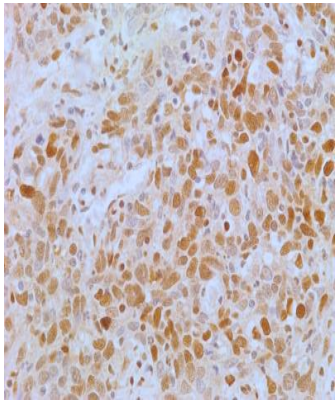
### APIP Antibody (MA1-41247) in IHC (P)

Immunohistochemical analysis of APIP in a section of normal human breast tissue. Samples were incubated in APIP monoclonal antibody (Product # MA1-41247) using a dilution of 5 µg/mL. The breasts ductal/acinar epithelial cells showed strong cytoplasmic as well as nuclear expression, whereas the myoepithelial cells and the intra-lobular connective tissue depicted very weak to negligible APIP positivity.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

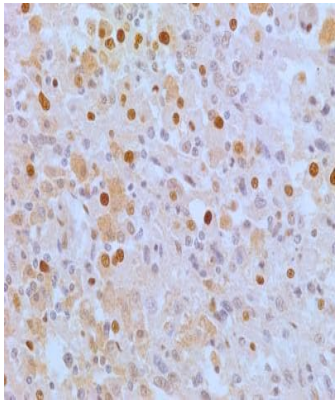
Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.



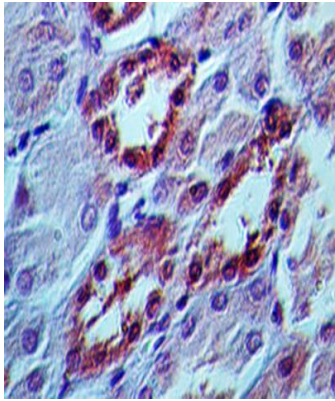
**APIP Antibody (MA1-41247) in IHC (P)**

Immunohistochemical analysis of APIP in human lung cancer tissue section. Samples were incubated in APIP monoclonal antibody (Product # MA1-41247) using a dilution of 5 µg/mL. The representative image shows a nuclear and cytoplasmic staining pattern of APIP expression in lung cancer cells.



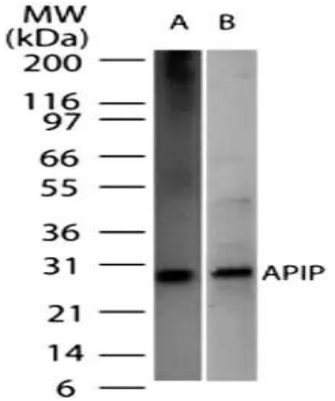
**APIP Antibody (MA1-41247) in IHC (P)**

Immunohistochemical analysis of APIP in human renal cancer tissue section. Samples were incubated in APIP monoclonal antibody (Product # MA1-41247) using a dilution of 5 µg/mL. The representative image shows a nuclear and cytoplasmic staining pattern of APIP expression in cancer cells.



**APIP Antibody (MA1-41247) in IHC (P)**

Immunohistochemical analysis of APIP in formalin-fixed paraffin-embedded human kidney tissue. Samples were incubated in APIP monoclonal antibody (Product # MA1-41247) using a dilution of 5 µg/mL.



**APIP Antibody (MA1-41247) in WB**

Western blot analysis of APIP in (A) recombinant protein and (B) HeLa cell lysate. Samples were incubated in APIP monoclonal antibody (Product # MA1-41247) using a dilution of 2 µg/mL.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.