

APIP Polyclonal Antibody

Catalog NumberPA5-29269

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Full length human APIP Recombinant protein.	* 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.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1.01 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T, A431, H1299, HeLa, HepG2, Molt-4, Raji. Predicted reactivity: Mouse (94%), Zebrafish (82%), Xenopus laevis (82%), Chicken (87%), Bovine (91%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

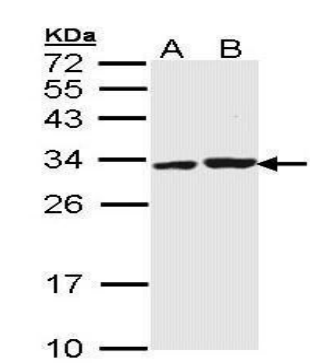
The mammalian homologues of the key cell death gene CED-4 in C. elegans has been identified recently from human and mouse and designated Apaf 1 (for apoptosis protease-activating factor 1). Apaf 1 binds to cytochrome c (Apaf 2) and Caspase-9 (Apaf 3), which leads to Caspase-9 activation. Activated Caspase-9 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.

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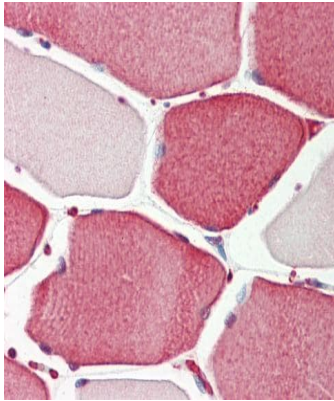
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APIP Antibody (PA5-29269) in WB
Western Blot using APIP Polyclonal Antibody (Product # PA5-29269). Sample (30 µg of whole cell lysate). Lane A: Molt-4. Lane B: Raji. 12% SDS PAGE. APIP Polyclonal Antibody (Product # PA5-29269) diluted at 1:1,000.



APIP Antibody (PA5-29269) in IHC (P)
APIP Polyclonal Antibody detects APAF1-interacting protein protein at cytoplasm on human placenta by immunohistochemical analysis. Sample: Paraffin-embedded placenta. APIP Polyclonal Antibody (Product # PA5-29269) dilution: 1:100. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.

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