

AMACR Monoclonal Antibody (13H4)

Product Details	
Size	500 µL
Species Reactivity	Human, Non-human primate
Published Species	Human
Host/Isotope	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	13H4
Conjugate	Unconjugated
Immunogen	Human p504s/AMACR polypeptide
Form	Liquid
Purification	purified
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10985819

Applications	Tested	Dilution	Published
Immunohistochemistry (Paraffin) (IHC (P))	✓	1:100	2 Publications
Immunofluorescence (IF)	✓	1:10-1:100	
Western Blot (WB)	✓	1:50-1:500	

Product Specific Information

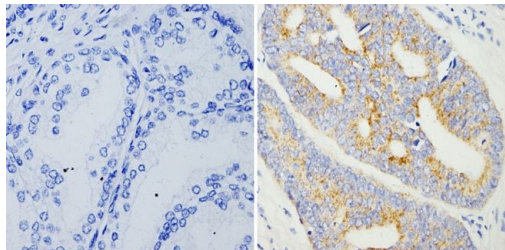
MA5-14576 targets Alpha methylacyl-CoA-racemase in WB, IF and IHC (P) applications and shows reactivity with Human samples.

The MA5-14576 immunogen is human p504s/AMACR polypeptide.

Product Images For AMACR Monoclonal Antibody (13H4)

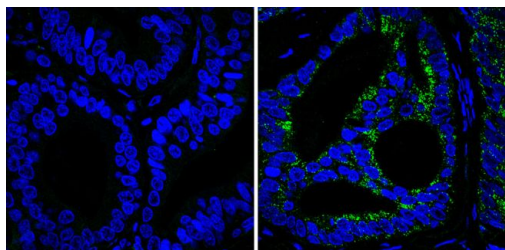
AMACR Antibody (MA5-14576) in IHC (P)

Immunohistochemistry analysis of Alpha methylacyl-CoA-racemase showing staining in the cytoplasm of paraffin-embedded human prostate carcinoma tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H₂O₂-methanol for 15 min at room temperature, washed with ddH₂O and PBS, and then probed with an Alpha methylacyl-CoA-racemase monoclonal antibody (Product # MA5-14576) diluted in 3% BSA-PBS at a dilution of 1:20 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



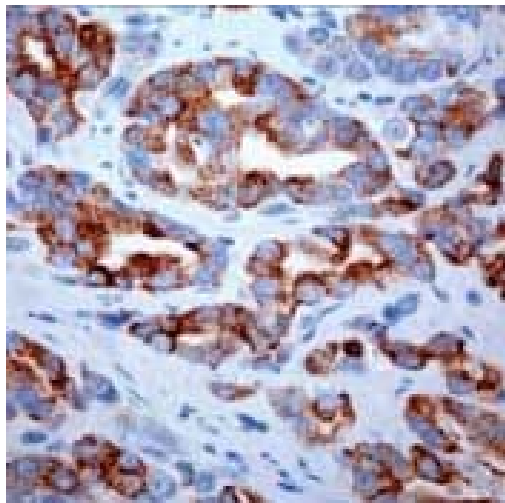
AMACR Antibody (MA5-14576) in IHC (P)

Immunofluorescent analysis of Alpha methylacyl-CoA-racemase (green) showing staining in the in the peroxisomes and mitochondria of human prostate carcinoma tissue (right) compared to a negative control without primary antibody (left). Formalin-fixed tissue was permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Tissue was probed with an Alpha methylacyl-CoA-racemase monoclonal antibody (Product # MA5-14576) in 3% BSA-PBS at a dilution of 1:20 and incubated overnight at 4°C in a humidified chamber. Tissue was washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. Nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



AMACR Antibody (MA5-14576) in IHC

Formalin-fixed, paraffin-embedded human prostate cancer stained with p504s using DAB chromogen. Note cytoplasmic staining of tumor cells.



[View more figures on thermofisher.com](https://www.thermofisher.com)

Immunohistochemistry (Paraffin) (2)

Turkish journal of medical sciences

The expression and clinical effects of alpha-methylacyl-CoA racemase (AMACR/ P504S) as an immunohistochemical marker in malign pleural mesothelioma.

"MA5-14576 was used in immunohistochemistry - paraffin section to study the use of AMACR expression in the diagnosis of malignant pleural mesothelioma"

Authors: Duyar S, Yilmaz A, Demirag F, Erdoan Y, Yazici Ü, Karakaya J

Species
Human

Dilution
1:100

Year
2015

Acta chirurgica Belgica

Clinical significance of the expression of alpha-methylacyl-CoA racemase in squamous cell carcinoma and adenocarcinoma of the lung.

"MA5-14576 was used in immunohistochemistry - paraffin section to study the use of AMACR expression for the prognosis of adenocarcinoma and squamous cell carcinoma of lung"

Authors: Erdogan Y, Demirag F, Duyar SS, Yilmaz A, Yazici U, Aydodu K

Species
Human

Dilution
1:100

Year
2013

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.