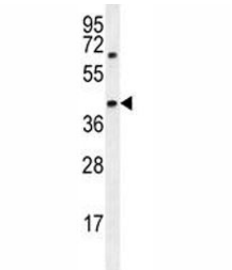
AMACR Antibody (F40477)

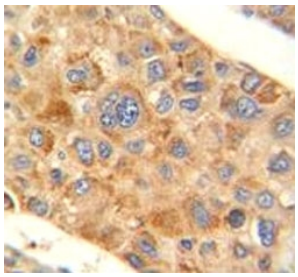
Catalog No.	Formulation	Size
F40477-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40477-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

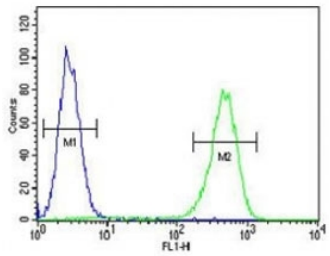
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q9UHK6
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100 Flow Cytometry: 1:10-1:50 Immunofluorescence: 1:10-1:50
Limitations	This AMACR antibody is available for research use only.



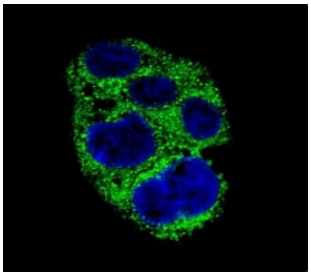
AMACR antibody western blot analysis in MDA-MB-231 lysate. Predicted molecular weight ~43 kDa.



AMACR antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma.



AMACR antibody flow cytometric analysis of MDA-MB231 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Confocal immunofluorescent analysis of AMACR antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used as a nuclear counterstain (blue).

Description

This gene encodes a racemase. The encoded enzyme interconverts pristanoyl-CoA and C27-bile acylCoAs between their (R)- and (S)-stereoisomers. The conversion to the (S)-stereoisomers is necessary for degradation of these substrates by peroxisomal beta-oxidation. Encoded proteins from this locus localize to both mitochondria and peroxisomes. Mutations in this gene may be associated with adult-onset sensorimotor neuropathy, pigmentary retinopathy, and adrenomyeloneuropathy due to defects in bile acid synthesis. Alternatively spliced transcript variants have been described.

For additional AMACR and p504S research antibodies validated by protein microarray specificity analysis, western blotting, and immunohistochemistry, explore the broader AMACR Antibody page featuring clone AMACR/1864.

Application Notes

Titration of the AMACR antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 323-351 from the human protein was used as the immunogen for this AMACR antibody.

Storage

Aliquot the AMACR antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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