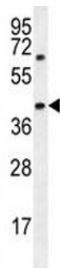


## AMACR Antibody (F40477)

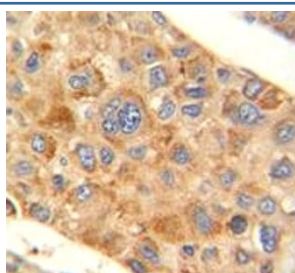
Catalog No.	Formulation	Size
F40477-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40477-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

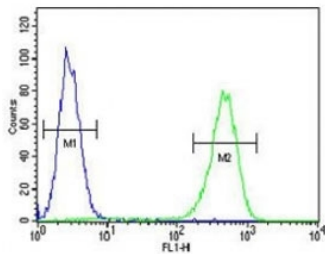
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	Q9UHK6
<b>Applications</b>	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100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



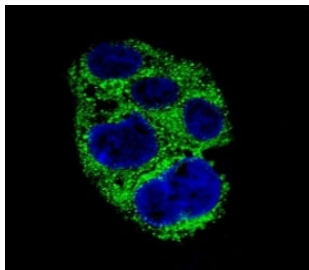
AMACR antibody western blot analysis in MDA-MB-231 lysate. Predicted molecular weight ~43 kDa.



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](http://search_result.php?search_txt=n1001) (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 IgG (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.

## 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.