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anti-AMACR antibody

Images



Overview

Quantity:	200 μL
Target:	AMACR
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AMACR antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthetic Peptide
Clone:	1F1
Isotype:	IgG
Characteristics:	Monoclonal Antibody
Purification:	Protein A purification

Target Details

Target:	AMACR
Alternative Name:	AMACR (AMACR Products)
Background:	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. Read-through transcription also exists between this gene and the upstream neighboring C1QTNF3 (C1q and tumor necrosis factor related protein 3) gene.

Molecular Weight:

Observed_MW: 42 kDa

Calculated_MW: 42 kDa

UniProt:

Q9UHK6

Pathways:

Monocarboxylic Acid Catabolic Process

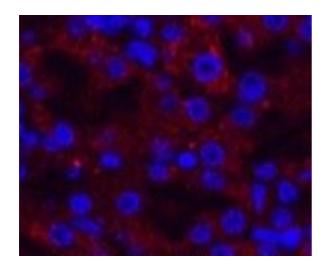
Application Details

Application Notes: WB 1:500-1:2000, IHC 1:100-1:300, IF 1:100-1:300

Restrictions: For Research Use only

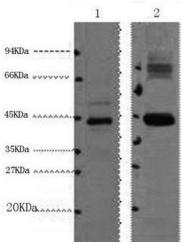
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.4.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



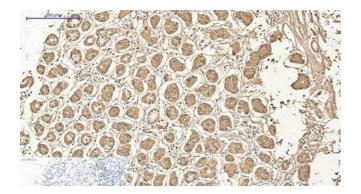
Immunofluorescence

Image 1. Immunofluorescence analysis of Mouse kidney tissue using AMACR Monoclonal Antibody at dilution of 1:200.



Western Blotting

Image 2. Western Blot analysis of 1) HepG2, 2) Mouse kidney using AMACR Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human stomach tissue using AMACR Monoclonal Antibody at dilution of 1:200.