

**Name:AMACR mouse monoclonal antibody,clone UMAB68**

**Catalog: UM800012**

**Product Data Sheet - UltraMAB**

Gene Name:Homo sapiens alpha-methylacyl-CoA racemase (AMACR), nuclear gene encoding mitochondrial protein, transcript variant 1  
GeneBank accession: NM\_014324  
Isotype: IgG1

Reactivity: Human  
Test application: WB  
Clone Name: Clone UMAB68

**Gene Synonym:** AMACRD; CBAS4; RACE; RM

**Validation Data:**

**Guaranteed Applications:** IHC

**Western Blot**

**Suggested Dilutions:** IHC 1:100,

**Immunogen:** Full length human recombinant protein of human AMACR (NP\_055139) produced in HEK293T cell.

**Components:**

- AMACR mouse monoclonal antibody,clone UMAB68 (UM800012)

**Amount:**

UM800012 100ul

**Concentration:** 0.5~1.0 mg/ml (Lot Dependent)

**Storage Condition:** Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

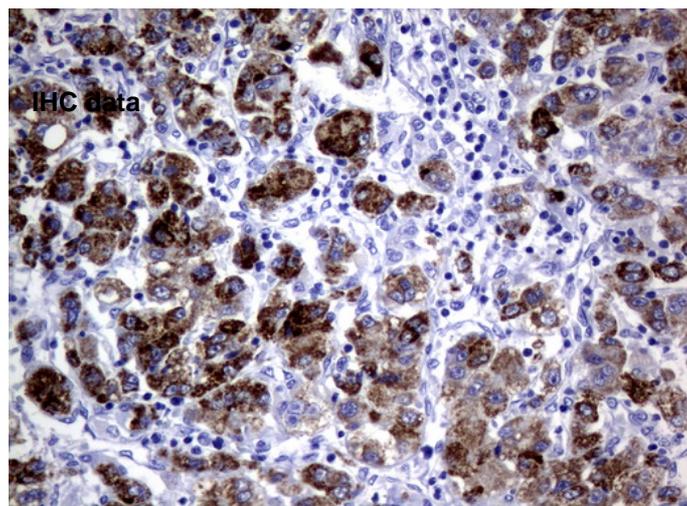
**Buffer:** PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

**Purification:**

Purified from mouse ascites fluids by affinity chromatography

**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. [provided by RefSeq, Mar 2011].



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-AMACR mouse monoclonal antibody. (UM800012)

**Related Product:**

TrueORF cDNA clones  
VERIFY Tagged Antigen lysates  
HuSH-29 shRNA  
Western Blot reagents  
Anti-myc/DDK tag antibodies

\* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

\* More validation images may be available on our website:

<http://www.origene.com/antibody/UM800012.aspx>

***This product is to be used for laboratory only. Not for diagnostic or therapeutic use.***

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