

## Product datasheet for **TA346883S**

### AMACR Mouse Monoclonal Antibody [Clone ID: 2F3-C11-B12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2F3-C11-B12
Applications:	IF, WB
Recommended Dilution:	WB: 1:1000, IF: 1:100
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for AMACR antibody: purified recombinant human AMACR(C-terminus) protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.02% sodium azide, 50% glycerol
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42 kDa
Gene Name:	alpha-methylacyl-CoA racemase
Database Link:	<a href="#">NP_055139</a> <a href="#">Entrez Gene 25284 Rat</a> <a href="#">Q9UHK6</a>
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.



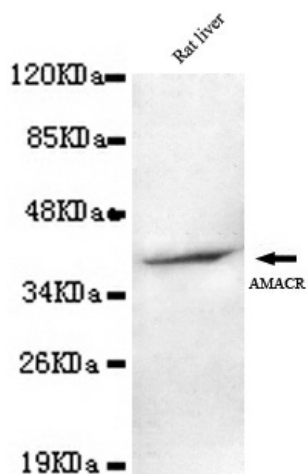
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**Synonyms:** AMACRD; CBAS4; RACE; RM

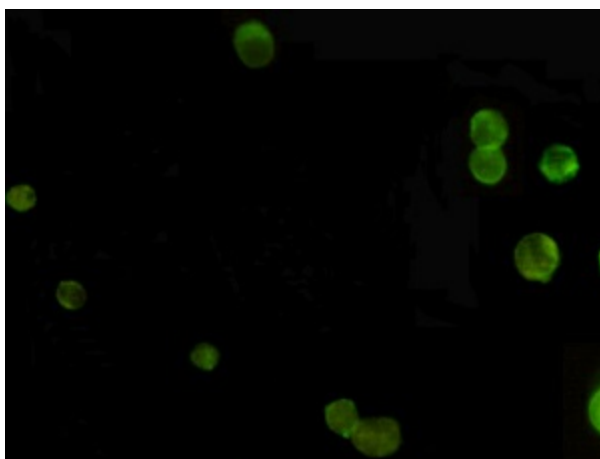
**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Primary bile acid biosynthesis

**Product images:**



Western blot detection of AMACR (C-terminus) in Rat Liver lysates using AMACR (C-terminus) mouse mAb (1:1000 diluted). Predicted band size: 42KDa. Observed band size: 42KDa.



Immunocytochemistry staining of Jurkat cells fixed with -20° Ethanol and using anti-AMACR (C-terminus) mouse mAb (dilution 1:100).