

## Product datasheet for **TA349234S**

### AMACR Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: A549 and Jurkat cells IHC: 25-100 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human AMACR
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
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 23600 Human</a> <a href="#">Q9UHK6</a>



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**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.

**Synonyms:**

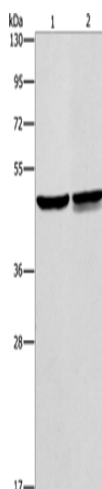
AMACRD; CBAS4; RACE; RM

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Metabolic pathways, Primary bile acid biosynthesis

**Product images:**

Gel: 8%SDS-PAGE

Lysate: 40 µg

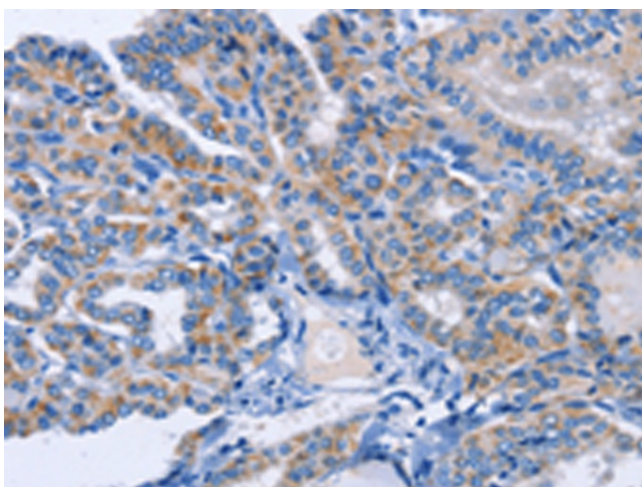
Lane 1-2: A549 cells

Jurkat cells

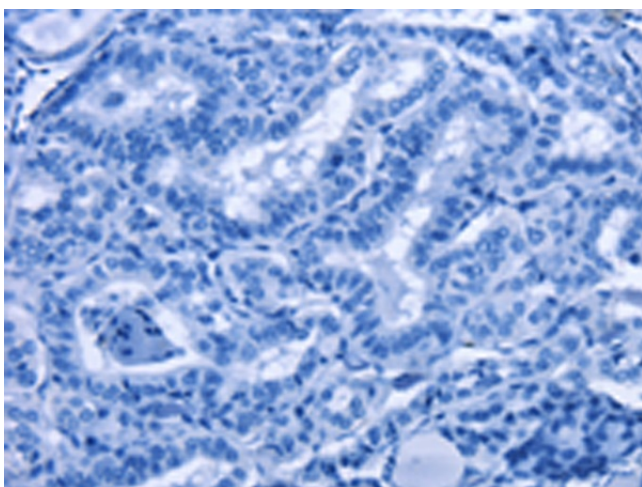
Primary antibody: [TA349234] (AMACR Antibody)  
at dilution 1/350

Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution

Exposure time: 15 seconds



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349234] (AMACR Antibody) at dilution 1/30 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349234] (AMACR Antibody) at dilution 1/30, treated with fusion protein. (Original magnification:  $\times 200$ )