

Product datasheet for **TA349234**

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 ₃ , 40% Glycerol |
| Concentration: | lot specific |
| 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: | NP_055139 Entrez Gene 23600 Human Q9UHK6 |



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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:

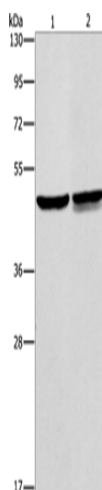
AMACRD; CBAS4; RACE; RM

Protein Families:

Druggable Genome

Protein Pathways:

Metabolic pathways, Primary bile acid biosynthesis

Product images:

Gel: 8%SDS-PAGE

Lysate: 40 µg

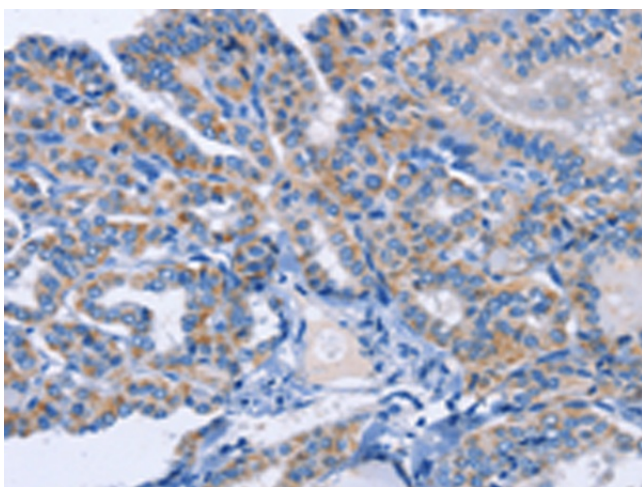
Lane 1-2: A549 cells

Jurkat cells

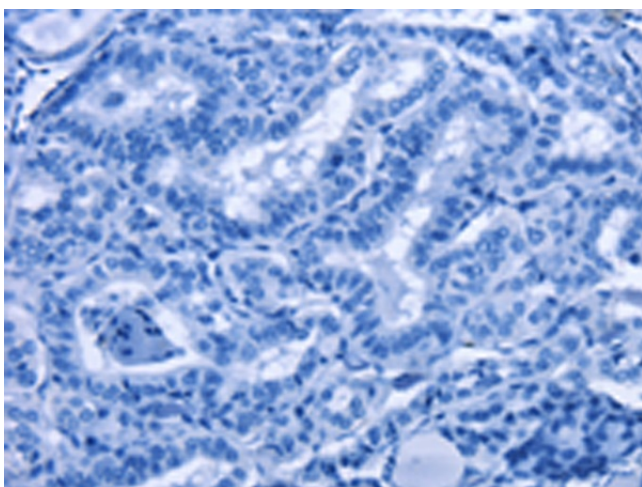
Primary antibody: TA349234 (AMACR Antibody) at dilution 1/350

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: $\times 200$)