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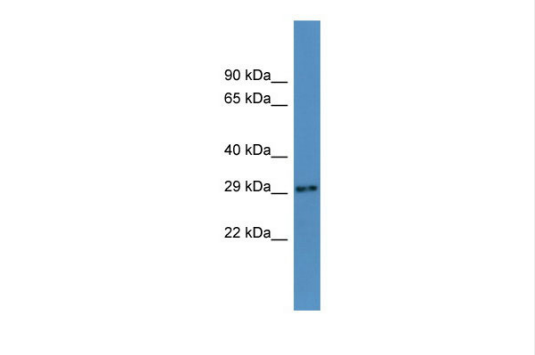
Auh antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11736

Specification

Auh antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9JLZ3
Other Accession	NM_016709, NP_057918
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**33kDa KDa**



WB Suggested Anti-Auh Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Mouse Heart

Auh antibody - N-terminal region - Additional Information

Gene ID 11992

Alias Symbol	**C77140, W91705**

Other Names
Methylglutaconyl-CoA hydratase, mitochondrial, 4.2.1.18, AU-specific RNA-binding enoyl-CoA hydratase, AU-binding enoyl-CoA hydratase, muAUH, Auh

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Auh antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Auh antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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Auh antibody - N-terminal region - Protein Information

Name Auh

Function
Catalyzes the conversion of 3-methylglutaconyl-CoA to 3-hydroxy-3-methylglutaryl-CoA (By similarity). Also has itaconyl-CoA hydratase activity by converting itaconyl-CoA into citramalyl-CoA in the C5-dicarboxylate catabolism pathway (By similarity). The C5-dicarboxylate catabolism pathway is required to detoxify itaconate, a vitamin B12-poisoning metabolite (By similarity). Has very low enoyl- CoA hydratase activity (PubMed:10072761). Was originally identified as RNA-binding protein that binds in vitro to clustered 5'-AUUUA-3' motifs (PubMed:10072761).

Cellular Location
Mitochondrion.

Tissue Location
Detected in heart, brain, liver, spleen, skeletal muscle and kidney.

Auh antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture