

Product datasheet

Anti-AUH antibody [EPR11086(B)] ab157453

Recombinant RabMAb

[3 References](#) [3 Images](#)

Overview

Product name	Anti-AUH antibody [EPR11086(B)]
Description	Rabbit monoclonal [EPR11086(B)] to AUH
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Mouse brain, Rat brain, Rat heart and Rat kidney cell lysates; SH-SY5Y cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR11086(B)
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab157453 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 36 kDa.
ICC/IF		1/100 - 1/250.

Application notes

Is unsuitable for IHC-P or IP.

Target

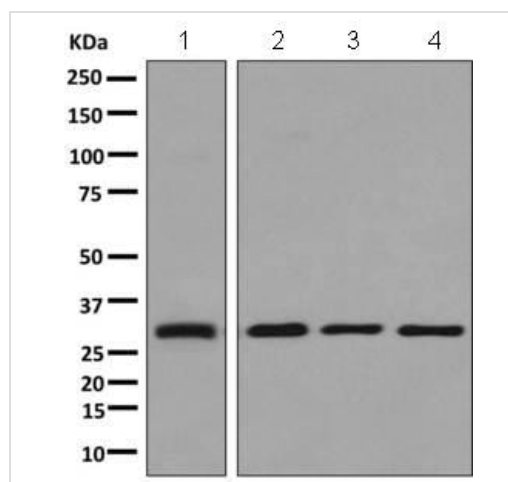
Relevance

AUH (3-methylglutaconyl-CoA hydratase) catalyzes the conversion of 3-methylglutaconyl-CoA to 3-hydroxy-3-methylglutaryl-CoA and has very low enoyl-CoA hydratase activity. Deletion or mutation of the AUH gene causes the metabolic disease 3-methylglutaconic aciduria type I (MGA1). MGA type I is characterized by an abnormal organic acid profile in which there is excessive urinary excretion of 3-methylglutaconic acid, 3-methylglutaric acid and 3-hydroxyisovaleric acid. AUH is also an RNA-binding protein that binds in vitro to clustered 5'-AUUUA-3' motifs.

Cellular localization

Mitochondrial

Images



Western blot - Anti-AUH antibody [EPR11086(B)] (ab157453)

All lanes : Anti-AUH antibody [EPR11086(B)] (ab157453) at 1/1000 dilution

Lane 1 : Mouse brain cell lysate

Lane 2 : Rat brain cell lysate

Lane 3 : Rat heart cell lysate

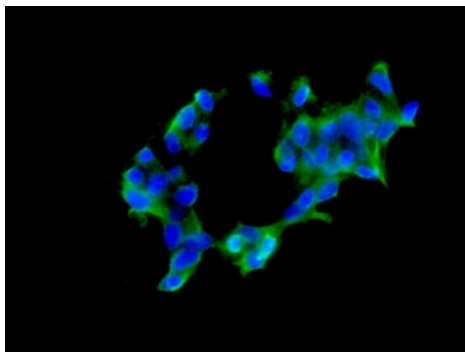
Lane 4 : Rat kidney cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 36 kDa



Immunofluorescent analysis of SH-SY5Y cells labeling AUH with ab157453 at 1/100 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-AUH antibody [EPR11086(B)] (ab157453)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-AUH antibody [EPR11086(B)] (ab157453)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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