abcam

Product datasheet

Anti-AUH antibody [EPR11087(B)] ab155980

Recombinant RabMAb

1 References 8 Images

Overview

Product name	Anti-AUH antibody [EPR11087(B)]
Description	Rabbit monoclonal [EPR11087(B)] to AUH
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P **Unsuitable for:** Flow Cyt or ICC/IF
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HepG2 and SH SY5Y cell lysates; Human fetal kidney lysate; Human pancreas tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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 -20ºC.
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	Protein A purified
Clonality	Monoclonal
Clone number	EPR11087(B)

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab155980 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: 32 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

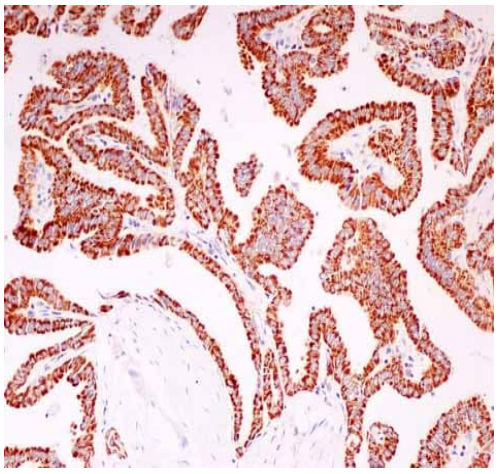
Application notes Is unsuitable for Flow Cyt or ICC/IF.

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

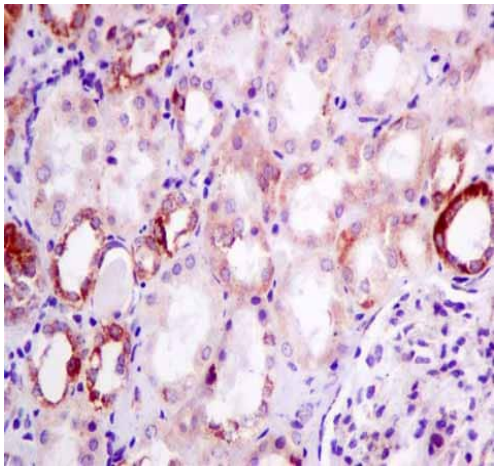
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AUH antibody [EPR11087(B)] (ab155980)

ab155980 showing +ve staining in Human thyroid gland carcinoma.

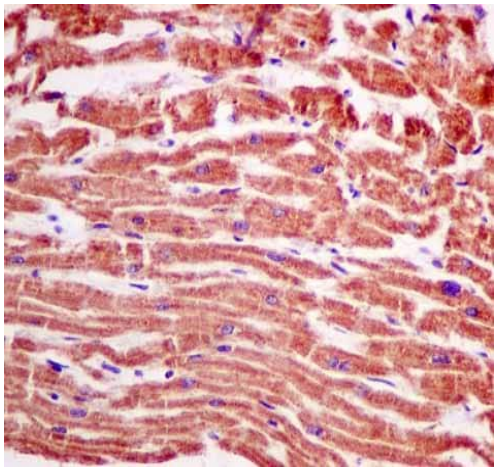
Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AUH antibody [EPR11087(B)] (ab155980)

ab155980 showing +ve staining in Human normal kidney.

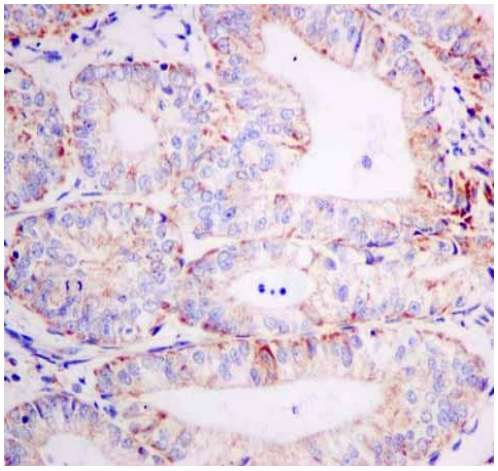
Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AUH antibody [EPR11087(B)] (ab155980)

ab155980 showing +ve staining in Human normal heart.

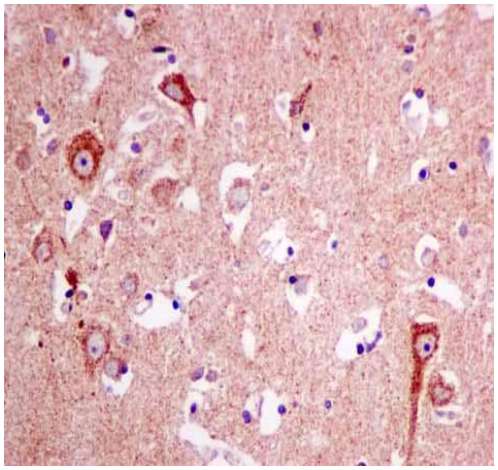
Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AUH antibody [EPR11087(B)] (ab155980)

ab155980 showing +ve staining in Human endometrial carcinoma.

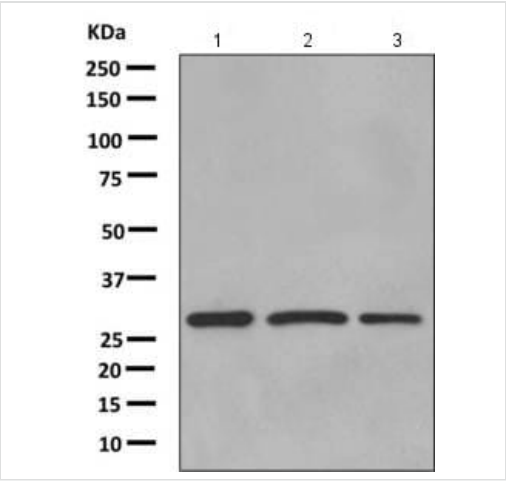
Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AUH antibody [EPR11087(B)] (ab155980)

ab155980 showing +ve staining in Human normal brain.

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.



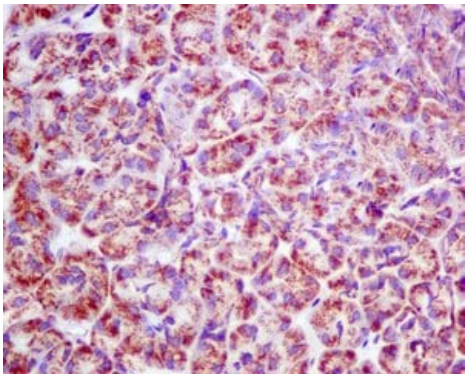
Western blot - Anti-AUH antibody [EPR11087(B)] (ab155980)

All lanes : Anti-AUH antibody [EPR11087(B)] (ab155980) at 1/1000 dilution

Lane 1 : Human fetal kidney lysate
Lane 2 : HepG2 cell lysate
Lane 3 : SH SY5Y lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 32 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AUH antibody [EPR11087(B)] (ab155980)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human pancreas tissue, labeling AUH using ab155980 at a 1/50 dilution.

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.

Anti-AUH antibody [EPR11087(B)] (ab155980)

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