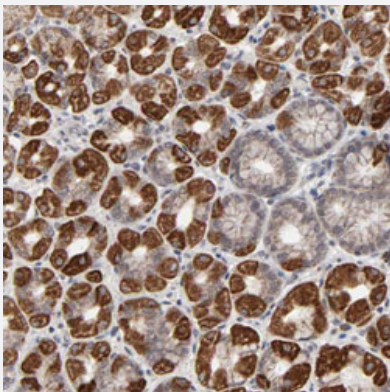


# AUH polyclonal antibody

Catalog # PAB30369      Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human stomach with AUH polyclonal antibody (Cat # PAB30369) shows strong cytoplasmic positivity in glandular cells at 1:20-1:50 dilution.

## Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human AUH.
Immunogen	Recombinant protein corresponding to human AUH.
Sequence	SAWLCPGLRLPGSLAGRRAGPAWAQGWVPAAGGPAPKRGYSSEMKTDELVRVHLEEEENRGI VVLGINRAYGKNSLSKNLIKMLSKAVDALKSDKK
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

**Storage Instruction**

Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — AUH

**Entrez GeneID**[549](#)**Protein Accession#**[Q13825](#)**Gene Name**

AUH

**Gene Alias**

-

**Gene Description**

AU RNA binding protein/enoyl-Coenzyme A hydratase

**Omim ID**[250950 600529](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

AU-specific RNA-binding enoyl-CoA hydratase (AUH) protein binds to the AU-rich element (ARE), a common element found in the 3' UTR of rapidly decaying mRNA such as c-fos, c-myc and granulocyte/macrophage colony stimulating factor. ARE elements are involved in directing RNA to rapid degradation and deadenylation. AUH is also homologous to enol-CoA hydratase, an enzyme involved in fatty acid degradation, and has been shown to have intrinsic hydratase enzymatic activity. AUH is thus a bifunctional chimera between RNA binding and metabolic enzyme activity. A possible subcellular localization in the mitochondria has been demonstrated for the mouse homolog of this protein which shares 92% identity with the human protein. It has been suggested that AUH may have a novel role as a mitochondrial located AU-binding protein. Human AUH is expressed as a single mRNA species of 1.8 kb, and translated as a 40-kDa precursor protein which is subsequently processed to a 32-kDa mature form. [provided by RefSeq]

**Other Designations**

3-methylglutaconyl-CoA hydratase|AU RNA-binding protein/enoyl-Coenzyme A hydratase|OTTHU MP00000021631

## Pathway

- [Metabolic pathways](#)
- [Valine](#)

## Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Tooth Abnormalities](#)