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anti-AUH antibody (C-Term)

3 Images

Target:

AUH



Go to Product page

Overview	
Quantity:	100 μL
Target:	AUH
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Dog, Cow, Rabbit, Horse, Guinea Pig, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AUH antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human AUH
Sequence:	IGMSLAKELI FSARVLDGKE AKAVGLISHV LEQNQEGDAA YRKALDLARE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit:
	100%, Rat: 100%, Yeast: 75%
Characteristics:	This is a rabbit polyclonal antibody against AUH. It was validated on Western Blot and
	immunohistochemistry.
Purification:	Affinity Purified
Target Details	

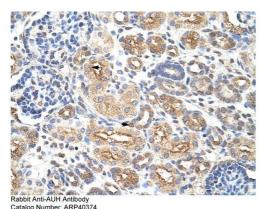
Alternative Name:	AUH (AUH Products)
Background:	AU-specific RNA-binding enoyl-CoA hydratase (AUH) protein binds to the AU-rich element (ARE)
	a common element found in the 3' UTR of rapidly decaying mRNA such as c-fos, c-myc and
	granulocyte/ macrophage colony stimulating factor. ARE elements are involved 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.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.
	Protein Interaction Partner: UBC, AUH,
	Protein Size: 339
Molecular Weight:	37 kDa
Gene ID:	549
NCBI Accession:	NM_001698, NP_001689
UniProt:	Q13825
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 339 AA

Application Details

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

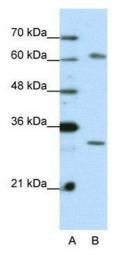
Images

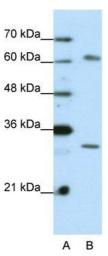


Rabbit Anti-AUH Antibody
Catalog Number: ARP40374
Lot Number: QC9468
Paraffin Embeded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 μg/ml
Magnification: 400X

Immunohistochemistry

Image 1. Rabbit Anti-AUH Antibody Paraffin Embedded Tissue: Human Kidney Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X





Western Blotting

Image 2. WB Suggested Anti-AUH

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.12500

Positive Control: HepG2 cell lysate

AUH is supported by BioGPS gene expression data to be expressed in HepG2

Western Blotting

Image 3. WB Suggested Anti-AUH Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate AUH is supported by BioGPS gene expression data to be expressed in HepG2