

Datasheet for ABIN2784533

anti-Aspartate beta Hydroxylase antibody (N-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	Aspartate beta Hydroxylase (ASPH)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Horse, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aspartate beta Hydroxylase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ASPH
Sequence:	SEVLQGKLG I YDADGDGDFD VDDAKVLLEG PSGVAKRKTK AKVKELTKEE
Predicted Reactivity:	Dog: 93%, Horse: 83%, Human: 100%, Mouse: 86%, Pig: 93%, Rabbit: 86%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against ASPH. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	Aspartate beta Hydroxylase (ASPH)
Alternative Name:	ASPH (ASPH Products)

Target Details

Background:	<p>ASPH is thought to play an important role in calcium homeostasis. Alternative splicing of this gene results in five transcript variants which vary in protein translation, the coding of catalytic domains, and tissue expression. Variation among these transcripts impacts their functions which involve roles in the calcium storage and release process in the endoplasmic and sarcoplasmic reticulum as well as hydroxylation of aspartic acid and asparagine in epidermal growth factor-like domains of various proteins. This gene is thought to play an important role in calcium homeostasis. Alternative splicing of this gene results in five transcript variants which vary in protein translation, the coding of catalytic domains, and tissue expression. Variation among these transcripts impacts their functions which involve roles in the calcium storage and release process in the endoplasmic and sarcoplasmic reticulum as well as hydroxylation of aspartic acid and asparagine in epidermal growth factor-like domains of various proteins.</p> <p>Alias Symbols: BAH, CASQ2BP1, HAAH, JCTN, junctin, AAH</p> <p>Protein Interaction Partner: ASNA1, TARDBP, IQCB1, UBC, NOS2, Htt, APP, CUL3, SQSTM1, TRDN,</p> <p>Protein Size: 225</p>
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Molecular Weight:	25 kDa
Gene ID:	444
NCBI Accession:	NM_020164 , NP_064549
UniProt:	Q9NR10
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 225 AA
Restrictions:	For Research Use only

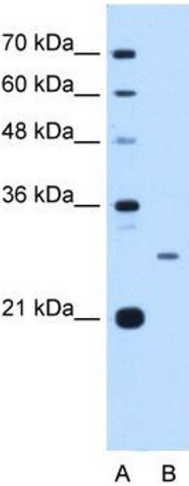
Handling

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

Handling

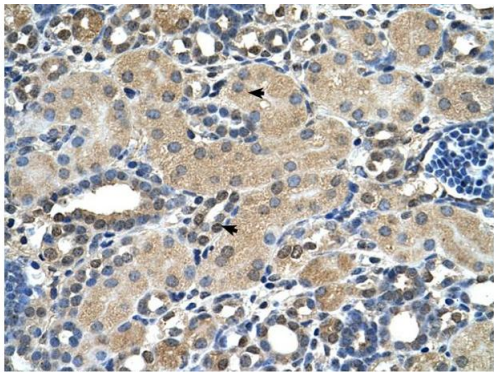
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-ASPH Antibody Titration: 2.5ug/ml Positive Control: HepG2 cell lysate There is BioGPS gene expression data showing that ASPH is expressed in HepG2



Immunohistochemistry

Image 2. Human kidney

Rabbit Anti-ASPH Antibody
Catalog Number: ARP51357
Lot Number: QC17693
Paraffin Embedded 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