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## anti-Aspartate beta Hydroxylase antibody (N-Term)



**Images** 



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Overview	
Quantity:	100 μL
Target:	Aspartate beta Hydroxylase (ASPH)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Horse, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aspartate beta Hydroxylase antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ASPH
Sequence:	MAEDKETKHG GHKNGRKGGL SGTSFFTWFM VIALLGVWTS VAVVWFDLVD
Predicted Reactivity:	Cow: 86%, Dog: 100%, Horse: 93%, Human: 100%, Mouse: 92%, Pig: 86%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against ASPH. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	Aspartate beta Hydroxylase (ASPH)
Alternative Name:	ASPH (ASPH Products)

### Target Details

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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. Alias Symbols: BAH, CASQ2BP1, HAAH, JCTN, junctin, AAH

Protein Interaction Partner: ASNA1, TARDBP, IQCB1, UBC, NOS2, Htt, APP, CUL3, SQSTM1,

TRDN,

Protein Size: 225

Molecular Weight:	25 kDa
Gene ID:	444
NCBI Accession:	NM_020164, NP_064549
UniProt:	Q12797
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

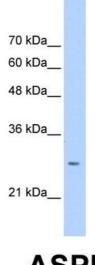
#### Handling

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.

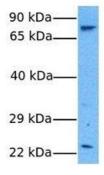
### **Images**



#### **Western Blotting**

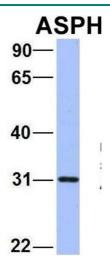
Image 1. WB Suggested Anti-ASPH Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate There is BioGPS gene expression data showing that ASPH is expressed in HepG2

# **ASPH**



#### **Western Blotting**

Image 2. Host: Rabbit Target Name: ASPH Sample Tissue: Human 293T Antibody Dilution: 1.0ug/ml



#### **Western Blotting**

**Image 3.** Host: Rabbit Target Name: WT1 Sample Type: 721\_B Antibody Dilution: 1.0ug/ml ASPH is supported by BioGPS gene expression data to be expressed in 721\_B

Please check the product details page for more images. Overall 5 images are available for ABIN2784532.