

Datasheet for ABIN1386702

anti-Aspartate beta Hydroxylase antibody (AA 301-400)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Aspartate beta Hydroxylase (ASPH)
Binding Specificity:	AA 301-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aspartate beta Hydroxylase antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ASPH/Aspartate beta hydroxylase
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

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

Target Details

Background:	Synonyms: ASP beta hydroxylase, Aspartyl/asparaginyl beta hydroxylase, ASPH, BAH, CASQ2BP1, HAAH, JCTN, junctin, Peptide aspartate beta dioxygenase, ASPH_HUMAN. Background: Aspartyl/asparaginyl beta-hydroxylase (ASPH) is a widely-expressed type II membrane protein involved in calcium homeostasis. Located in the endoplasmic reticulum, ASPH specifically hydroxylates an Asp or Asn residue in the epidermal growth factor-like (EGF) domains of several proteins, using iron as a cofactor. The ASPH gene encodes 3 proteins, ASPH, Junctin, and Junctate (or Humbug), that differ significantly in their C-terminal domains. These ASPH gene products are expressed as five transcript variants that differ by their roles in calcium storage and release, hydroxylation capabilities, and tissue specificity. While all ASPH variants are expressed in skeletal muscle, only some are detected in heart, brain, pancreas, placenta, lung, liver, and kidney tissues. In the lumen of the endoplasmic reticulum, ASPH can be processed into two different forms.
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Pathways:	Positive Regulation of Endopeptidase Activity
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Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C

Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months