Datasheet for ABIN1413272

anti-Aspartate beta Hydroxylase antibody (AA 301-400) (HRP)

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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 conjugated to HRP
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (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)
Background:	Synonyms: ASP beta hydroxylase, Aspartyl/asparaginyl beta hydroxylase, ASPH, BAH,

Target Details

	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.
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months