

Datasheet for ABIN2778322

anti-Aspartate beta Hydroxylase antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µL
Target:	Aspartate beta Hydroxylase (ASPH)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Horse, Cow, Guinea 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 middle region of human ASPH
Sequence:	ETNRKTDDPE QKAKVKKKKP KLLNKFDKI KAELDAAEKL RKRKGIEEAV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, 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:	Protein A purified

Target Details

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

Target Details

Background:	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. Alias Symbols: AAH, BAH, HAAH, JCTN, junctin, CASQ2BP1 Protein Interaction Partner: ASNA1, TARDBP, IQCB1, UBC, NOS2, Htt, APP, CUL3, SQSTM1, TRDN, Protein Size: 758
Molecular Weight:	86 kDa
Gene ID:	444
NCBI Accession:	NM_004318 , NP_004309
UniProt:	Q9Y4J0
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 758 AA
Restrictions:	For Research Use only

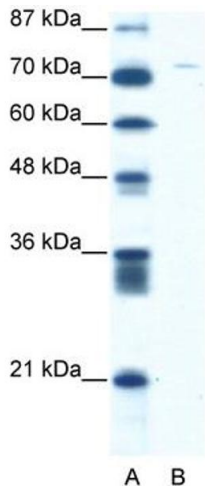
Handling

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

Handling

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: 5.0ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate