Datasheet for ABIN6137213

anti-Aspartate beta Hydroxylase antibody (AA 111-270)

1 Image

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Overview

Quantity:	100 µL
Target:	Aspartate beta Hydroxylase (ASPH)
Binding Specificity:	AA 111-270
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aspartate beta Hydroxylase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 111-270 of human ASPH (NP_001158227.1).
Sequence:	ERSTSEPAVP PEEAEPHTEP EEQVPVEAEP QNIEDEAKEQ IQSLLHEMVH AEHETEHSYH VEETVSQDCN QDMEEMMSEQ ENPDSSEPVV EDERLHHDTD DVTYQVYEEQ AVYEPLENEG IEITEVTAPP EDNPVEDSQV IVEEVSIFPV EEQQEVPPDT
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Aspartate beta Hydroxylase (ASPH)
Alternative Name:	ASPH (ASPH Products)
Background:	This gene is thought to play an important role in calcium homeostasis. The gene is expressed from two promoters and undergoes extensive alternative splicing. The encoded set of proteins share varying amounts of overlap near their N-termini but have substantial variations in their C-terminal domains resulting in distinct functional properties. The longest isoforms (a and f) include a C-terminal Aspartyl/Asparaginyl beta-hydroxylase domain that hydroxylates aspartic acid or asparagine residues in the epidermal growth factor (EGF)-like domains of some proteins, including protein C, coagulation factors VII, IX, and X, and the complement factors C1R and C1S. Other isoforms differ primarily in the C-terminal sequence and lack the hydroxylase domain, and some have been localized to the endoplasmic and sarcoplasmic reticulum. Some of these isoforms are found in complexes with calsequestrin, triadin, and the ryanodine receptor, and have been shown to regulate calcium release from the sarcoplasmic reticulum. Some isoforms have been implicated in metastasis.,ASPH,AAH,BAH,CASQ2BP1,FDLAB,HAAH,JCTN,junctin,Signal Transduction,Neuroscience,Calcium Signaling,ASPH
Molecular Weight:	21-34 kDa/83-85 kDa
Gene ID:	444
UniProt:	Q12797
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100
Restrictions:	For Research Use only

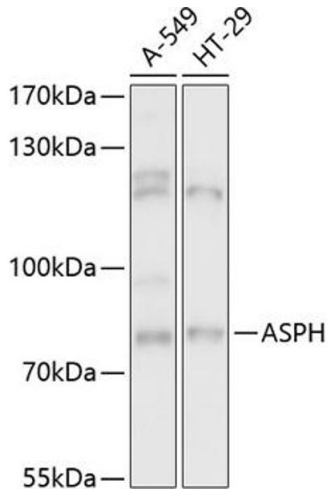
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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

Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using ASPH antibody (ABIN6127459, ABIN6137213, ABIN6137215 and ABIN6217041) at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3s.