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## anti-Aspartate beta Hydroxylase antibody (Middle Region)





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Overview	
Quantity:	100 μL
Target:	Aspartate beta Hydroxylase (ASPH)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aspartate beta Hydroxylase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ASPH
Sequence:	PEEAEPHTEP EEQVPVEAEP QNIEDEAKEQ IQSLLHEMVH AEHVEGEDLQ
Predicted Reactivity:	Cow: 77%, Human: 100%, Mouse: 86%, Pig: 79%, Rat: 83%
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)

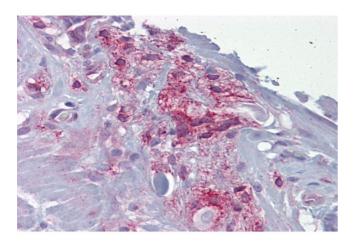
### **Target Details**

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 transc
	Alias Symbols: BAH, CASQ2BP1, HAAH, JCTN, junctin, AAH
	Protein Interaction Partner: ASNA1, TARDBP, IQCB1, UBC, NOS2, Htt, APP, CUL3, SQSTM1,
	TRDN,
	Protein Size: 299
Molecular Weight:	34 kDa
Gene ID:	444
NCBI Accession:	NM_032468, NP_115857
UniProt:	Q9H291
Pathways:	Positive Regulation of Endopeptidase Activity
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 299 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.
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.

90 kDa\_ 65 kDa\_ 40 kDa\_ 29 kDa\_ 22 kDa\_

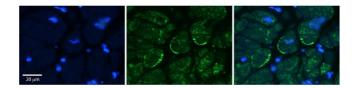
#### **Western Blotting**

**Image 1.** WB Suggested Anti-ASPH Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: ACHN cell lysate



#### **Immunohistochemistry**

**Image 2.** Immunohistochemistry with Small intestine, myenteric plexus tissue at an antibody concentration of 5µg/ml using anti-ASPH antibody (ARP34691\_P050)



#### **Immunohistochemistry**

Image 3. Rabbit Anti-ASPH Antibody Formalin Fixed Paraffin Embedded Tissue: Human Adult heart Observed Staining: Cytoplasmic, Membrane Primary Antibody Concentration: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy2/3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 – 2.0 sec Protocol located in Reviews and Data.