

Rabbit anti-Human ASPH Polyclonal Antibody | anti-ASPH antibody

ASPH Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283890	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

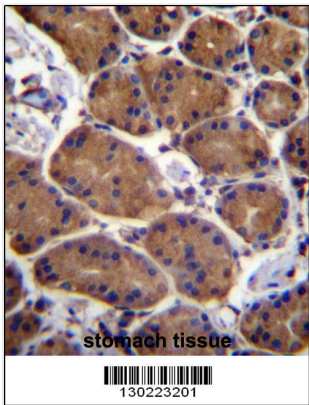
PRODUCT SYNONYMS

ASPH; Polyclonal Antibody; ASPH Antibody (Center); Aspartyl/asparaginyl beta-hydroxylase; Aspartate beta-hydroxylase; ASP beta-hydroxylase; Peptide-aspartate beta-dioxygenase; BAH; anti-ASPH antibody

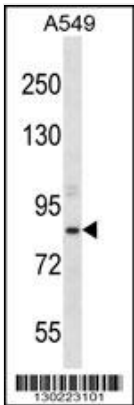
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ASPH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 294-323 amino acids from the Central region of human ASPH.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	294-323
Sequence Length	256
Applicable Applications for anti-ASPH antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
ASPH Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ASPH Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
ASPH Antibody (Center) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the ASPH antibody detected the ASPH protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ASPH antibody	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.
Product Categories/Family for anti-ASPH antibody	Neuroscience; Signal Transduction
References	Xue, T., et al. Hybridoma (Larchmt) 28(4):251-257(2009) Luu, M., et al. Hum. Pathol. 40(5):639-644(2009) Finotti, A., et al. BMC Mol. Biol. 9, 110 (2008) : Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004) Treves, S., et al. J. Cell Biol. 166(4):537-548(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	258613943
NCBI GeneID	444
NCBI Accession #	NP_001158222.1; NP_001158223.1; NP_001158225.1; NP_001158227.1; NP_001158228.1; NP_004309.2; NP_064549.1; NP_115855.1; NP_115856.1; NP_115857.1
NCBI GenBank Nucleotide #	NM_001164750.1
UniProt Accession #	Q12797; Q6NXR7; Q8TB28; Q9H291; Q9H2C4; A6NDF4; A6NHI2; B4DIC9; B4E2K4; B7ZM95; E5RGP5; F5H667

Molecular Weight	85863
NCBI Official Full Name	aspartyl/asparaginyl beta-hydroxylase isoform f
NCBI Official Synonym Full Names	aspartate beta-hydroxylase
NCBI Official Symbol	ASPH
NCBI Official Synonym Symbols	AAH; BAH; HAAH; JCTN; FDLAB; junctin; CASQ2BP1
NCBI Protein Information	aspartyl/asparaginyl beta-hydroxylase
UniProt Protein Name	Aspartyl/asparaginyl beta-hydroxylase
UniProt Gene Name	ASPH
UniProt Synonym Gene Names	BAH; ASP beta-hydroxylase
UniProt Entry Name	ASPH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/asph-antibody-immunohistochemistry-western-blot-elisa/283890>