

ASPH Polyclonal Antibody | anti-ASPH antibody

Anti-ASPH Antibody

CATALOG # AAA46327	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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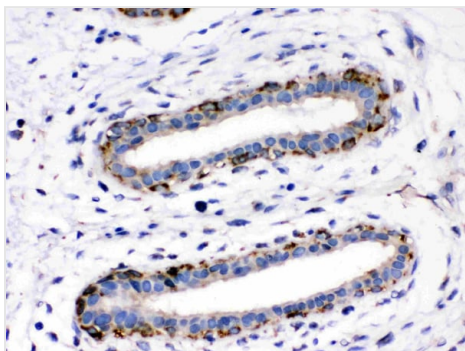
PRODUCT SYNONYMS

ASPH; Polyclonal Antibody; Anti-ASPH Antibody; Aspartyl/asparaginyl beta-hydroxylase; A beta H J J; AAH; ASP beta hydroxylase; Aspartyl/asparaginyl beta hydroxylase; ASPH_HUMAN; BAH; Cardiac junctin; CASQ2BP1; HAAH; Humbug; JCTN; junctin; Peptide aspartate beta dioxygenase; aspartate beta-hydroxylase; anti-ASPH antibody

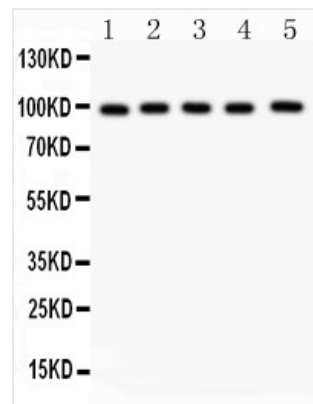
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	729
Applicable Applications for anti-ASPH antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ASPH (726-758aa EVWQDASSFRLIFIVDVWHPELTPQRRSLPAI), identical to the related mouse sequence.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti- ASPH Picoband antibody, AAA46327,IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Anti- ASPH Picoband antibody, AAA46327, Western blottingAll lanes: Anti ASPH (AAA46327) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Rat Liver Tissue Lysate at 50ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: HEPG2 Whole Cell Lysate at 40ugLane 5: HEPA Whole Cell Lysate at 40ugPredicted bind size: 86KDObserved bind size: 100KD

ADDITIONAL INFORMATION

Related Product Information for anti-ASPH antibody	Description: Rabbit IgG polyclonal antibody for Aspartyl/asparaginyl beta-hydroxylase(ASPH) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: ASPH is also known as Aspartyl/asparaginyl beta-hydroxylase. This gene is thought to play an important role in calcium homeostasis. And 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.
References	1. "Entrez Gene: ASPH aspartate beta-hydroxylase". 2. Korioto F, Gieffers C, Frey J (Feb 1995). "Cloning and characterization of the human gene encoding aspartyl beta-hydroxylase". Gene 150 (2): 395-9. 3. Lim KY, Hong CS, Kim DH (Nov 2000). "cDNA cloning and characterization of human cardiac junctin". Gene 255 (1): 35-42.

NCBI AND UNIPROT INFORMATION

NCBI GI #	258613943
NCBI GeneID	444
NCBI Accession #	NP_001158222.1
NCBI GenBank Nucleotide #	NM_001164750.1
UniProt Accession #	Q12797; Q6NXR7; Q8TB28; Q9H291; Q9H2C4; A6NDF4; A6NHI2; B4DIC9; B4E2K4; B7ZM95; E5RGP5; F5H667
Molecular Weight	28,926 Da
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/46327>