

Rat Aspartyl/asparaginyl beta-hydroxylase (ASPH) ELISA Kit | ASPH elisa kit

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CATALOG #
AAA245423

REACTIVITY
Rat

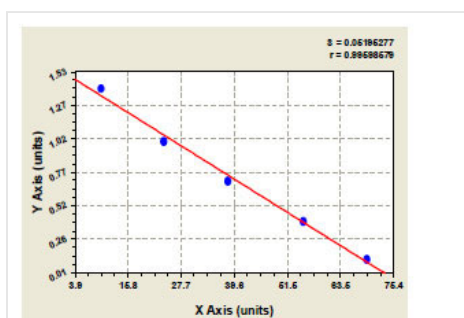
PRODUCT SYNONYMS

Aspartyl/asparaginyl beta-hydroxylase (ASPH); Rat Aspartyl/asparaginyl beta-hydroxylase (ASPH) ELISA Kit; ASPH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ASPH elisa kit

Intended Uses: This ASPH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ASPH. This ELISA kit for research use only!

Principle of the Assay: ASPH ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-ASPH antibody and an ASPH-HRP conjugate. The assay sample and buffer are incubated together with ASPH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ASPH concentration since ASPH from samples and ASPH-HRP conjugate compete for the anti-ASPH antibody binding site. Since the number of sites is limited, as more sites are occupied by ASPH from the sample, fewer sites are left to bind ASPH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ASPH concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	258613943
NCBI GeneID	444
NCBI Accession #	NP_001158222.1
NCBI GenBank Nucleotide #	NM_001164750.1
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; humbug; junctate; A beta H-J-J; cardiac junctin; ASP beta-hydroxylase; peptide-aspartate beta-dioxygenase; aspartyl/asparaginyl-beta-hydroxylase
UniProt Protein Name	Aspartyl/asparaginyl beta-hydroxylase
UniProt Gene Name	ASPH
UniProt Synonym Gene Names	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/rat-elisa-kits/aspartyl-asparaginyl-beta-hydroxylase-asph/245423>