

Human ASAH2 ELISA Kit | ASAH2 elisa kit

Human ASAH2 ELISA Kit PicoKine

CATALOG # AAA126683	REACTIVITY Human	APPLICATIONS ELISA
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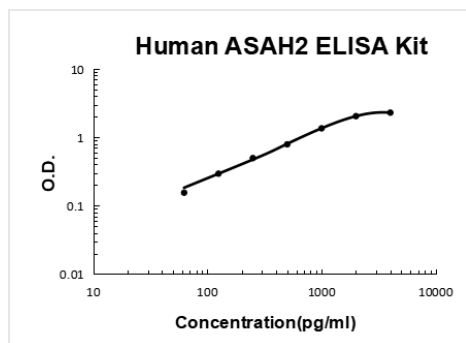
PRODUCT SYNONYMS

ASAH2; Human ASAH2 ELISA Kit PicoKine; ATRN; KIAA0548; MGCA; Attractin; DPPT-L; Mahogany homolog; N-acylsphingosine amidohydrolase 2; ASAH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human ASAH2
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for ASAH2 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human ASAH2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ASAH2 elisa kit	Background: Neutral ceramidase is an enzyme that in humans is encoded by the ASAH2 gene. Ceramidases (EC 3.5.1.23), such as ASAH2, catalyze hydrolysis of the N-acyl linkage of ceramide, a second messenger in a variety of cellular events, to produce sphingosine. Sphingosine exerts both mitogenic and apoptosis-inducing activities, and its phosphorylated form functions as an intra- and intercellular second messenger. Principle of the Assay: The Picokine™ Human ASAH2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human ASAH2 with a 96-well strip plate that is pre-coated with antibody specific for ASAH2. The detection antibody is a biotinylated antibody specific for ASAH2. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human ASAH2 protein as standards. To measure Human ASAH2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human ASAH2 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human ASAH2 in the sample.
Product Categories/Family for ASAH2 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	221218981
NCBI GeneID	56624
NCBI Accession #	NP_063946
NCBI GenBank Nucleotide #	NM_019893.2
UniProt Accession #	Q9NR71; Q3KNU1; Q5SNT7; Q5SZP6; Q5SZP7; Q5T1D5; Q71ME6
Molecular Weight	81,718 Da
NCBI Official Full Name	neutral ceramidase isoform a
NCBI Official Synonym Full Names	N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2
NCBI Official Symbol	ASAH2
NCBI Official Synonym Symbols	HNAC1; BCDase; LCDase; NCDase; N-CDase
NCBI Protein Information	neutral ceramidase; mitochondrial ceramidase; non-lysosomal ceramidase; acylsphingosine deacylase 2; neutral/alkaline ceramidase; N-acylsphingosine amidohydrolase 2
UniProt Protein Name	Neutral ceramidase
UniProt Gene Name	ASAH2
UniProt Synonym Gene Names	HNAC1; N-CDase; NCDase; hCD
UniProt Entry Name	ASAH2_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.