

Rat N-Acylsphingosine Amidohydrolase 2 (ASAH2) ELISA Kit | ASAH2 elisa kit

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CATALOG #
AAA189821

REACTIVITY
Rat

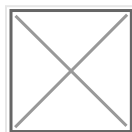
PRODUCT SYNONYMS

N-Acylsphingosine Amidohydrolase 2 (ASAH2); Rat N-Acylsphingosine Amidohydrolase 2 (ASAH2) ELISA Kit; HNAC1; non-lysosomal ceramidase; Neutral ceramidase; ASAH2/N-Acylsphingosine Amidohydrolase 2; ASAH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ASAH2. No significant cross-reactivity or interference between ASAH2 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ASAH2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ASAH2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ASAH2 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ASAH2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ASAH2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ASAH2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of ASAH2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ASAH2 in rat tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for ASAH2 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758458
NCBI GeneID	114104
NCBI Accession #	NP_446098.1
NCBI GenBank Nucleotide #	NM_053646.1
UniProt Accession #	Q91XT9
Molecular Weight	83,488 Da
NCBI Official Full Name	neutral ceramidase
NCBI Official Synonym Full Names	N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2
NCBI Official Symbol	Asah2
NCBI Protein Information	neutral ceramidase; NCDase; N-CDase; acylsphingosine deacylase 2; neutral/alkaline ceramidase; N-acylsphingosine amidohydrolase 2
UniProt Protein Name	Neutral ceramidase
UniProt Gene Name	Asah2
UniProt Synonym Gene Names	N-CDase; NCDase
UniProt Entry Name	ASAH2_RAT

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/n-acylsphingosine-amidohydrolase-2-asah2/189821>