

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse ASAH2/N-acylsphingosine Amidohydrolase-2 in direct ELISAs and Western blots. In direct ELISAs, approximately 15% cross-reactivity with recombinant human ASAH2 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse ASAH2/N-acylsphingosine Amidohydrolase-2 Thr34-Thr756 Accession # Q9JHE3
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

The mouse ASAH2 gene encodes acylsphingosine amidohydrolase-2, also known as neutral ceramidase. Neutral ceramidase is a type II integral membrane protein that can be cleaved to produce a soluble secreted protein (1). The enzyme is abundant in the brush border membranes of the intestine, but is also expressed in tissues such as kidney, brain and liver (2, 3). A major physiological function of neutral ceramidase is the metabolism of dietary sphingolipids, but the enzyme may also be involved in the generation of messenger molecules such as sphingosine and sphingosine 1-phosphate (3).

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