

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ASAHL/N-acylethanolamine-hydrolyzing Acid A in direct ELISAs and Western blots. In Western blots, approximately 25% cross-reactivity with recombinant mouse ASAHL is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human ASAHL/N-acylethanolamine-hydrolyzing Acid A isoform 1 Ser29-Lys359 (Val151Ile) Accession # Q02083
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

ASAHL (N-acylsphingosine-amidohydrolase-like; N acylethanolamine hydrolyzine acid amidase; also acid ceramidase like protein) is a 30 kDa member of the acid ceramidase family. It is a secreted lysosomal glycoprotein that cleaves fatty acid amides such as palmitoylethanolamine. Human ASAHL is synthesized as a 359 amino acid (aa) preproprecursor that contains a 28 aa signal sequence, a 96 aa prosegment, and a 30 31 kDa, 235 aa mature region that begins at Cys125. Multiple isoforms likely exist. One isoform shows a deletion of aa 324 359, while another has a two aa substitution for aa 198 359. The human proform (aa 29 359) is 78% aa identical to mouse ASAHL proform.

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