

ASAH3 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00659
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from ASAH3 . at AA range: 100-180
Mol wt	31095
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	ASAH3 Antibody
Synonyms	ACER1; ASAH3; Alkaline ceramidase 1; AlkCDase 1; Alkaline CDase 1; Acylsphingosine deacylase 3; N-acylsphingosine amidohydrolase 3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Ceramides are synthesized during epidermal differentiation and accumulate within the interstices of the stratum corneum, where they represent critical components of the epidermal permeability barrier. Excess cellular ceramide can trigger antimetogenic signals and induce apoptosis, and the ceramide metabolites sphingosine and sphingosine-1-phosphate (S1P) are important bioregulatory molecules. Ceramide hydrolysis in the nucleated cell layers regulates keratinocyte proliferation and apoptosis in response to external stress. Ceramide hydrolysis also occurs at the stratum corneum, releasing free sphingoid base that functions as an endogenous antimicrobial agent. ACER1 (alkaline ceramidase 1) is highly expressed in epidermis and catalyzes the hydrolysis of very long chain ceramides to generate sphingosine.

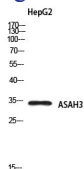
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000

Not yet tested in other applications.

Images



Western blot analysis of HepG2 using ASAH3 antibody. Secondary antibody was diluted at 1:20000

Storage

-20°C for one year