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anti-ACER1 antibody (C-Term)

2 Images



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Quantity:	100 μL
Target:	ACER1
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Cow, Guinea Pig, Rabbit, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACER1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human ACER1
Sequence:	VNAYALNSIA LHILYIVCQE YRKTSNKELR HLIEVSVVLW AVALTSWISD
Predicted Reactivity:	Cow: 79%, Dog: 92%, Guinea Pig: 75%, Human: 100%, Pig: 85%, Rabbit: 86%, Rat: 77%
Characteristics:	This is a rabbit polyclonal antibody against ACER1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	ACER1
Alternative Name:	ACER1 (ACER1 Products)
Background: ACER1 hydrolyzes the sphingolipid ceramide into sphingosine and free fatty acid at an	

optimal pH of 8.0. It has a highly restricted substrate specificity for the natural stereoisomer of ceramide with D-erythro-sphingosine but not D-ribo-phytosphingosine or D-erythro-dihydrosphingosine as a backbone. It may have a role in regulating the levels of bioactive lipids ceramide and sphingosine 1-phosphate, as well as complex sphingolipids.

Alias Symbols: ASAH3, MGC138327, MGC138329, ALKCDase1

Protein Size: 264

 Molecular Weight:
 31 kDa

 Gene ID:
 125981

 NCBI Accession:
 NM_133492, NP_597999

UniProt: Q8TDN7

Application Details

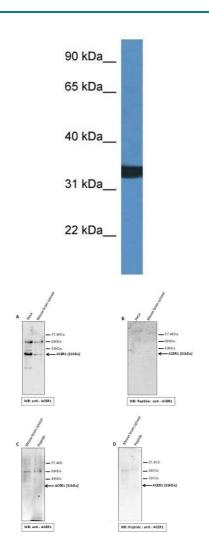
Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 264 AA

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-ACER1 Antibody Titration: 1.0 ug/ml Positive Control: HCT15 Whole Cell

Western Blotting

Image 2. Human hela and Mouse brain