
Product Name: APHC Rabbit Polyclonal Antibody**Catalog #: APRab07009**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
Molecular Weight	35kDa

Antigen Information

Gene Name	ACER3
Alternative Names	ACER3; APHC; PHCA; Alkaline ceramidase 3; AlkCDase 3; Alkaline CDase 3; Alkaline dihydroceramidase SB89; Alkaline phytoceramidase; aPHC
Gene ID	55331.0
SwissProt ID	Q9NUN7
Immunogen	The antiserum was produced against synthesized peptide derived from human PHCA. AA range:171-220

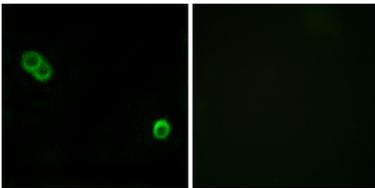
Background

enzyme regulation: Activated by Ca^{2+} and inhibited by Zn^{2+} , function: Hydrolyzes only phytoceramide into phytosphingosine and free fatty acid. Does not have reverse activity, similarity: Belongs to the alkaline ceramidase family, tissue specificity: Ubiquitously expressed. Highest expression in placenta, enzyme regulation: Activated by Ca^{2+} and inhibited by Zn^{2+} , function: Hydrolyzes only phytoceramide into phytosphingosine and free fatty acid. Does not have reverse activity, similarity: Belongs to the alkaline ceramidase family, tissue specificity: Ubiquitously expressed. Highest expression in placenta,

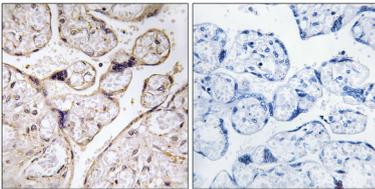
Research Area

Sphingolipid metabolism;

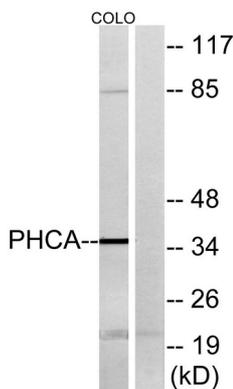
Image Data



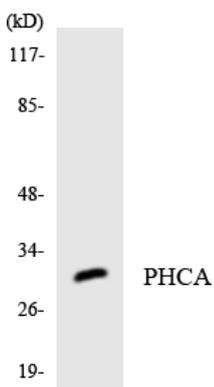
Immunofluorescence analysis of MCF7 cells, using PHCA Antibody. The picture on the right is blocked with the synthesized peptide.



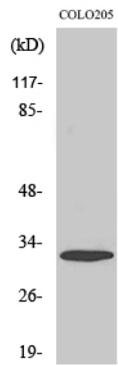
Immunohistochemistry analysis of paraffin-embedded human placenta tissue, using PHCA Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO cells, using PHCA Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using PHCA antibody.



Western Blot analysis of various cells using APHC Polyclonal Antibody