



APHC rabbit pAb

Cat No.:ES1677

For research use only

Overview

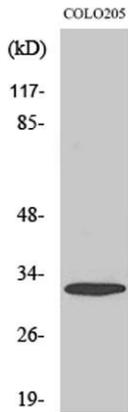
Product Name	APHC rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PHCA. AA range:171-220
Specificity	APHC Polyclonal Antibody detects endogenous levels of APHC protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Alkaline ceramidase 3
Gene Name	ACER3
Cellular localization	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Golgi apparatus membrane ; Multi-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	35kD
Human Gene ID	55331
Human Swiss-Prot Number	Q9NUN7
Alternative Names	ACER3; APHC; PHCA; Alkaline ceramidase 3; AlkCDase 3; Alkaline CDase 3; Alkaline dihydroceramidase SB89; Alkaline phytoceramidase; aPHC





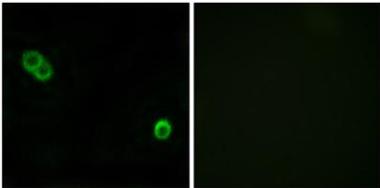
Background

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.,

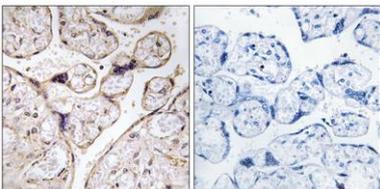


Western Blot analysis of various cells using APHC Polyclonal Antibody

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

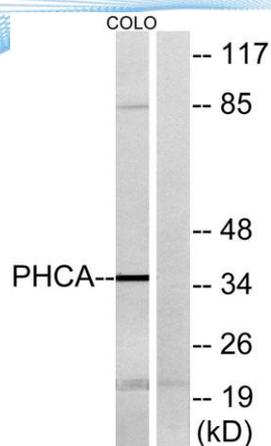


Immunohistochemistry analysis of paraffin-embedded human placenta tissue, using PHCA Antibody. The picture on the right is blocked with the synthesized peptide.





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



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