

APHC rabbit pAb

Cat No.:ES1677

For research use only

Overview

Product NameAPHC rabbit pAbHost speciesRabbitApplicationsWB;IHC;IF;ELISASpecies Cross-ReactivityHuman;MouseRecommended dilutionsWestern Blot: 1/500 - 1/2000. Immunofiluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.ImmunogenThe antiserum was produced against synthesized peptide derived from human PHCA. AA range:171-220SpecificityAPHC Polyclonal Antibody detects endogenous levels of APHC protein.FormulationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.StorageStore at -20°C. Avoid repeated freeze-thaw cycles.Protein NameACER3Cellular localizationEndoplasmic reticulum membrane ; Multi-pass membrane protein . Golgi apparatus membrane ; Multi-pass membrane protein .PurificationThe antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.ClonalityPolyclonalObserved band35kDHuman Gene ID55331Human Swiss-Prot NumberQ9NUN7Alternative NamesACER3; Alkaline ceramidase 3; AlkCioase 3; Alkaline phytoceramidase; aPHC		
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AlkCDase 3; Alkaline CDase 3; Alkaline dihydroceramidase SB89; Alkaline phytoceramidase;		Q9NUN7
dihydroceramidase SB89; Alkaline phytoceramidase;	Alternative Names	ACER3; APHC; PHCA; Alkaline ceramidase 3;
		AlkCDase 3; Alkaline CDase 3; Alkaline



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Background

COLO205

(kD)

117-85-

48-

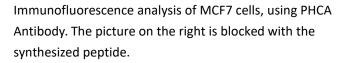
34-

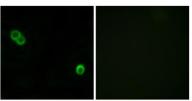
26-

19-

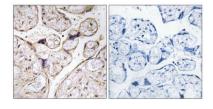
enzyme regulation:Activated by Ca(2+) and inhibited by Zn(2+).,function:Hydrolyzes only phytoceramide into phytosphingosine and free fatty acid. Does not have reverse activity.,similarity:Belongs to the alkaline ceramidase family.,tissue specificity:Ubiquitously expressed. Highest expression in placenta.,

Western Blot analysis of various cells using APHC Polyclonal Antibody





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

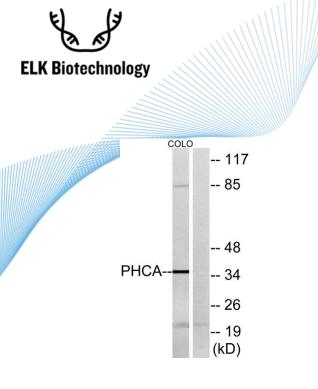


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Western blot analysis of lysates from COLO cells, using PHCA Antibody. The lane on the right is blocked with the synthesized peptide.



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