



# APHC Polyclonal Antibody

<b>Catalog No</b>	BYab-02499
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	ACER3
<b>Protein Name</b>	Alkaline ceramidase 3
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PHCA. AA range:171-220
<b>Specificity</b>	APHC Polyclonal Antibody detects endogenous levels of APHC protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	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.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ACER3; APHC; PHCA; Alkaline ceramidase 3; AlkCDase 3; Alkaline CDase 3; Alkaline dihydroceramidase SB89; Alkaline phytoceramidase; aPHC
<b>Observed Band</b>	35kD
<b>Cell Pathway</b>	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Golgi apparatus membrane ; Multi-pass membrane protein .
<b>Tissue Specificity</b>	Ubiquitously expressed. Highly expressed in placenta (PubMed:11356846). Expressed in erythrocytes (PubMed:20207939).
<b>Function</b>	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.,
<b>Background</b>	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

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ceramidase family.,tissue specificity:Ubiquitously expressed. Highest expression in placenta.,

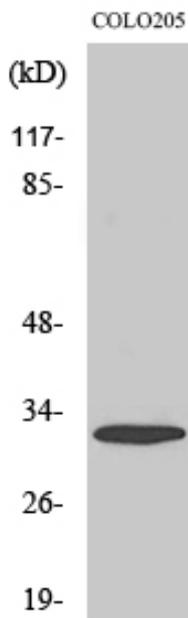
**matters needing attention**

Avoid repeated freezing and thawing!

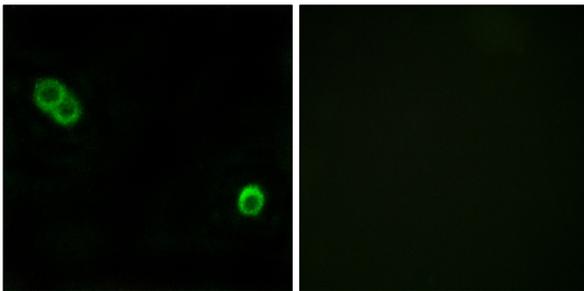
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

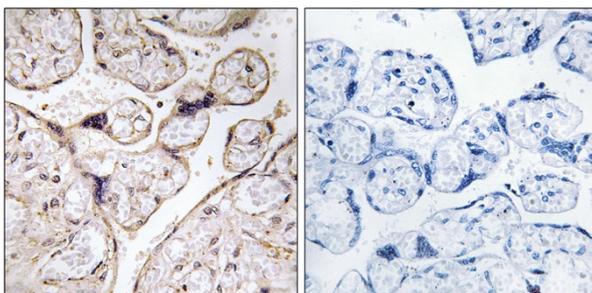
**Products Images**



Western Blot analysis of various cells using APHC Polyclonal Antibody

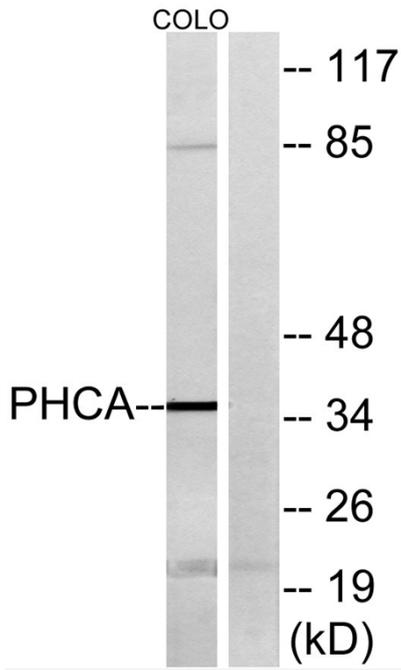


Immunofluorescence analysis of MCF7 cells, using PHCA Antibody. The picture on the right is blocked with the synthesized peptide.

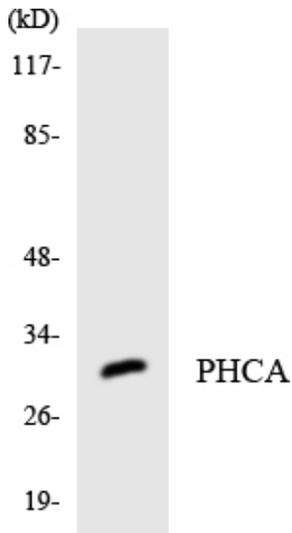


Immunohistochemistry analysis of paraffin-embedded human placenta tissue, using PHCA Antibody. The picture on the right is blocked with the synthesized peptide.

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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.



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