

For Research Use Only

PCYOX1 Polyclonal antibody

Catalog Number: 18868-1-AP



Basic Information

Catalog Number: 18868-1-AP	GenBank Accession Number: BC033815	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 147 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51449	Recommended Dilutions: IHC 1:20-1:200
Source: Rabbit	Full Name: prenylcysteine oxidase 1	
Isotype: IgG	Calculated MW: 505 aa, 57 kDa	
Immunogen Catalog Number: AG4316		

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human colon tissue,
Species Specificity: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

PCYOX1 (Prenylcysteine oxidase 1) is also named as KIAA0908, PCL1, prenylcysteine lyase and belongs to the prenylcysteine oxidase family. The deduced 505-amino acid protein contains a predicted signal sequence, several transmembrane regions, and four potential N-glycosylation sites. It is a glycosylated enzyme involved in prenylated protein catabolism, releasing a free cysteine and a hydrophobic isoprenoid product. Immunofluorescence studies of PCYOX1 showed a nonnuclear punctate pattern, and PCYOX1 colocalized with lysosomal marker LAMP1 in HEK293 cells (PMID:10585463). The enzyme is isolated from bovine brain membranes and exhibits an apparent molecular mass of 63 kDa (PMID:9287348).

Storage

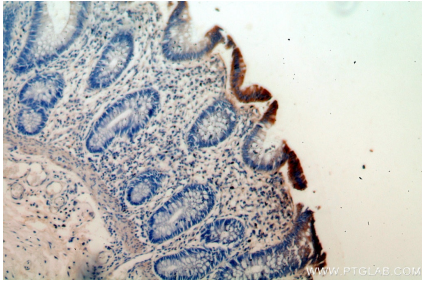
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

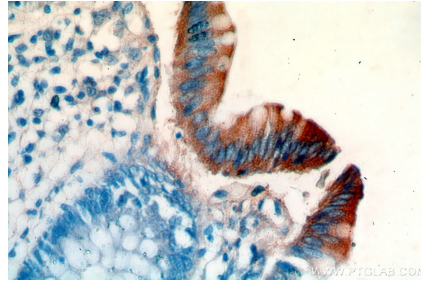
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon using 18868-1-AP (PCYOX1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon using 18868-1-AP (PCYOX1 antibody) at dilution of 1:50 (under 40x lens).