

PCYOX1 Polyclonal antibody

Catalog Number: **13648-1-AP**

Basic Information

Catalog Number:

13648-1-AP

Size:

130 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4600

GenBank Accession Number:

BC033815

GeneID (NCBI):

51449

UNIPROT ID:

Q9UHG3

Full Name:

prenylcysteine oxidase 1

Calculated MW:

505 aa, 57 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human, mouse, rat

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

