

For Research Use Only

ATP4A Polyclonal antibody

Catalog Number: 55124-1-AP



Basic Information

Catalog Number:

55124-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000704

GeneID (NCBI):

495

UNIPROT ID:

P20648

Full Name:

ATPase, H⁺/K⁺ exchanging, alpha polypeptide

Calculated MW:

114 kDa

Observed MW:

114 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse stomach tissue, rat stomach tissue

Background Information

The gastric H⁺, K⁺-ATPase is a heterodimer consisting of a high molecular weight catalytic alpha subunit and a smaller but heavily glycosylated beta subunit. ATP4A belongs to a family of P-type cation-transporting ATPases, encodes a catalytic alpha subunit of the gastric H⁺, K⁺-ATPase, and transports H⁺ ions in exchange for K⁺ ions across the apical membrane of parietal cells.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

0.1M NaHCO₃, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

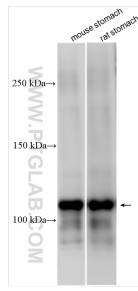
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55124-1-AP (ATP4A antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.