For Research Use Only

ATP6V0D2 Polyclonal antibody

Catalog Number:33364-1-AP 1 Publications

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Basic Information

Catalog Number:
33364-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG38739

GenBank Accession Number:
BC065207

GeneID (NCBI):
245972

UNIPROT ID:
Q8N8Y2

Full Name:
ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d2

Calculated MW:
40 kDa

Observed MW:
40 kDa

Purification Method:
Antigen affinity Purification

Recommended Dilutions:
WB: 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
mouse

Positive Controls:

WB : mouse kidney tissue, rat kidney tissue

Background Information

ATP6V0D2 is a subunit of the vacuolar proton-translocating ATPase (V-ATPase) complex, which is responsible for acidifying intracellular compartments and the extracellular environment. This protein is crucial for maintaining the acidic environment necessary for various cellular processes, including bone resorption by osteoclasts (PMID: 19113919). ATP6V0D2 is also involved in the regulation of tumor-associated macrophages, where it influences tumor progression through the lactate/ATP6V0D2/HIF-2α axis (PMID: 30431439).

Notable Publications

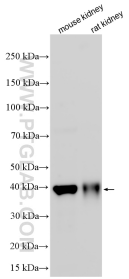
Author	Pubmed ID	Journal	Application
Hantao Yao	41368333	Food Sci Nutr	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33364-1-AP (ATP6V0D2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.