For Research Use Only

ATP6V0D2 Polyclonal antibody, PBS Only

Catalog Number:33364-1-PBS

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Basic Information

Catalog Number:
33364-1-PBS

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

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

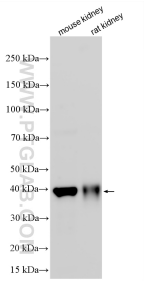
Background Information

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).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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. This data was developed using the same antibody clone with 33364-1-PBS in a different storage buffer formulation.