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ATP6V1A Rabbit mAb
Catalog # AP75129

Specification

ATP6V1A Rabbit mAb - Product Information

Application	**WB, IHC-P, IP**
Primary Accession	P38606
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**68304**

ATP6V1A Rabbit mAb - Additional Information

Gene ID 523

Other Names
ATP6V1A

Dilution
WB~~1/500-1/1000
IHC-P~~N/A
IP~~N/A

Format
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

ATP6V1A Rabbit mAb - Protein Information

Name ATP6V1A

Synonyms ATP6A1, ATP6V1A1, VPP2

Function
Catalytic subunit of the V1 complex of vacuolar(H+)-ATPase (V-ATPase), a multisubunit enzyme composed of a peripheral complex (V1) that hydrolyzes ATP and a membrane integral complex (V0) that translocates protons (PubMed:8463241). V-ATPase is responsible for acidifying and maintaining the pH of intracellular compartments and in some cell types, is targeted to the plasma membrane, where it is responsible for acidifying the extracellular environment (PubMed:32001091). In aerobic conditions, involved in intracellular iron homeostasis, thus triggering the activity of Fe(2+) prolyl hydroxylase (PHD) enzymes, and leading to HIF1A hydroxylation and subsequent proteasomal degradation (PubMed:28296633). May play a role in neurite development and synaptic

connectivity (PubMed:29668857).

Cellular Location
Cytoplasm. Cytoplasm, cytosol {ECO:0000250|UniProtKB:P50516}. Cytoplasmic vesicle, secretory vesicle. Cytoplasmic vesicle, clathrin-coated vesicle membrane {ECO:0000250|UniProtKB:P31404}; Peripheral membrane protein. Lysosome {ECO:0000250|UniProtKB:P50516} Note=Co-localizes with WFS1 in the secretory granules in neuroblastoma cell lines.

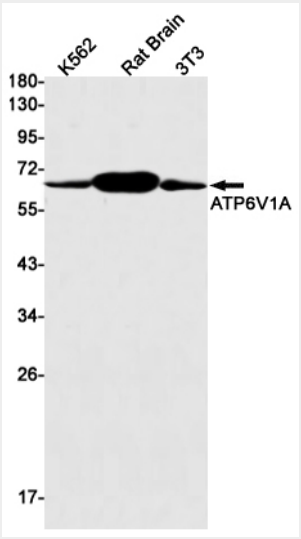
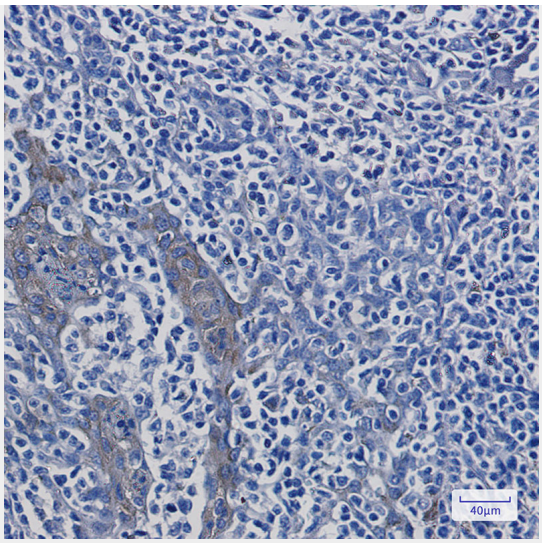
Tissue Location
High expression in the skin.

ATP6V1A Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ATP6V1A Rabbit mAb - Images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