ATP6V1G2 Rabbit Polyclonal Antibody

Catalog No: #54643

Package Size: #54643-1 50ul #54643-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

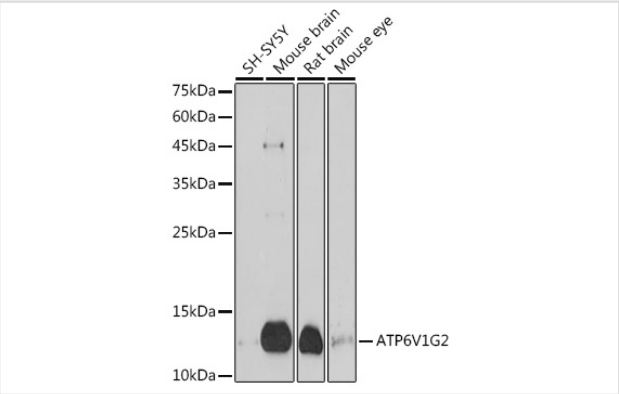
Description

Product Name	ATP6V1G2 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant protein of human ATP6V1G2.
Conjugates	Unconjugated
Other Names	NG38; ATP6G; VMA10; ATP6G2
Accession No.	Swiss Prot:O95670Gene ID:534
Calculated MW	14kDa
SDS-PAGE MW	14KDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

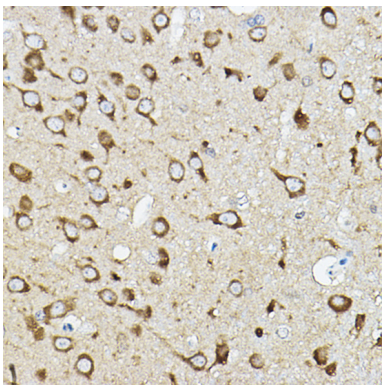
Application Details

WB□1:2000 - 1:5000IHC□1:50 - 1:200

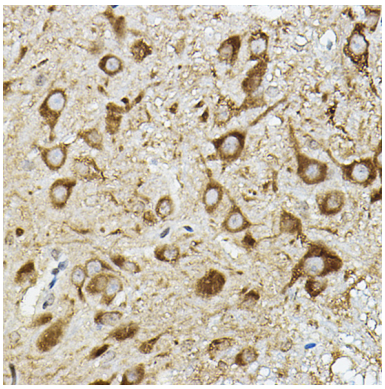
Images



Western blot analysis of extracts of various cell lines, using ATP6V1G2 antibody.



Immunohistochemistry of paraffin-embedded rat brain using ATP6V1G2 Rabbit pAb.



Immunohistochemistry of paraffin-embedded mouse spinal cord using ATP6V1G2 Rabbit pAb.

Background

This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is one of three V1 domain G subunit proteins. This gene had previous gene symbols of ATP6G and ATP6G2. Alternatively spliced transcript variants encoding different isoforms have been described. Read-through transcription also exists between this gene and the downstream DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B (DDX39B) gene.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.