

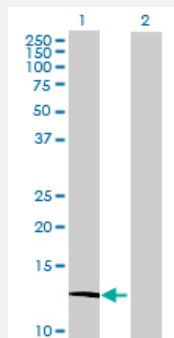
MaxPab®

ATP6V1G3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00127124-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ATP6V1G3 expression in transfected 293T cell line ([H00127124-T01](#)) by ATP6V1G3 MaxPab polyclonal antibody.

Lane 1: ATP6V1G3 transfected lysate(12.98 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ATP6V1G3 protein.
Immunogen	ATP6V1G3 (NP_573569.1, 1 a.a. ~ 118 a.a) full-length human protein.
Sequence	MTSQSQGIHQLLQAEKRAKDKLEEAKKRKGKRLKQAKEEAMVEIDQYRMQRDKEFRLKQSKIMG SQNNLSDEIEEQTLGKIQELNGHYNKYMESVMNQLLSMVCDMKPEIHVNYRATN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (81)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of ATP6V1G3 expression in transfected 293T cell line ([H00127124-T01](#)) by ATP6V1G3 MaxPab polyclonal antibody.

Lane 1: ATP6V1G3 transfected lysate(12.98 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ATP6V1G3

Entrez GeneID [127124](#)

GeneBank Accession# [NM_133262.2](#)

Protein Accession# [NP_573569.1](#)

Gene Name ATP6V1G3

Gene Alias ATP6G3, MGC119810, MGC119813, Vma10

Gene Description ATPase, H⁺ transporting, lysosomal 13kDa, V1 subunit G3

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle 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 gene encodes one of three G subunit proteins. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

ATPase, H⁺ transporting, lysosomal (vacuolar proton pump) subunit G3|ATPase, H⁺ transporting, lysosomal 13kD, V1 subunit G|ATPase, H⁺ transporting, lysosomal, V1 subunit G3|OTTHUMP0000033686|V-ATPase 13 kDa subunit 3|V-ATPase G subunit 3|V-ATPase G3 subu

Pathway

- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)
- [Vibrio cholerae infection](#)