

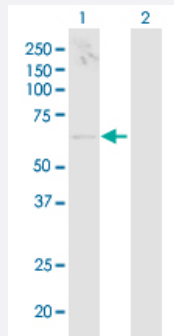
MaxPab®

TCIRG1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00010312-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of TCIRG1 expression in transfected 293T cell line ([H00010312-T02](#)) by TCIRG1 MaxPab polyclonal antibody.

Lane 1: TCIRG1 transfected lysate(68.80 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human TCIRG1 protein.
Immunogen	TCIRG1 (NP_006044.1, 1 a.a. ~ 614 a.a) full-length human protein.
Sequence	MTFLISYWGEQIGQKIRKITDCFHCHVFPFLQQEEARLGALQQLQQSQELQEVLGETERFLSQVLGRVLQLLPPGQVQVHKMKAVYLALNQCSVSTTHKCLIAEAWCSVRDLPALQEALRDSSMEEGVSAVAHRIPCRDMPPTLIRTNRFTASFQGVDAVGVGRYQEVNPAPYTIITFPFLFAVMFGDVGHGLLMFLFALAMVLAENRPAVKAAQNEIWQTFRGRYLLLLMGLFSYTGFIYNECFSRATSIFPSGWSVAMANQSGWSDAFLAQHTMLTDPNVTGVFLGPYPFGIDPWSLAANHLSFLNSFKMKMSVILGVVHMAFGVVLGVFNHVFHFGQRHRLLETLPELTFLLGLFGYLVFLVMKWLCVWAARAASAPSILHFINMFLFSHSPSNRLLYPRQEVVQATLVVLALAMVPILLGTPLHLLHRHRRRLRRRPADRQEENKAGLLDLPDASVNGWSSDEEKAGGLDDEEEAELVPSEVLMHQAIHTIEFCLGCVSNTASYLRLWALSLSLHAQLSEVLWAMVMRIGLGLGREVGVAAVVLVPIFAAFVMTVAILLVMEGLSAFLHALRLHWVEFQNKFYSGTGYKLSPTFAATDD
Host	Mouse
Reactivity	Human
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.

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[Protocol Download](#)

Gene Info — TCIRG1

Entrez GeneID [10312](#)

GeneBank Accession# [NM_006053.2](#)

Protein Accession# [NP_006044.1](#)

Gene Name TCIRG1

Gene Alias ATP6N1C, ATP6V0A3, Atp6i, OC-116kDa, OC116, OPTB1, Stv1, TIRC7, Vph1, a3

Gene Description T-cell, immune regulator 1, ATPase, H⁺ transporting, lysosomal V0 subunit A3

Omim ID [259700 604592](#)

Gene Ontology [Hyperlink](#)

Gene Summary Through alternate splicing, this gene encodes two proteins with similarity to subunits of the vacuolar ATPase (V-ATPase) but the encoded proteins seem to have different functions. V-ATPase is 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, and receptor-mediated endocytosis. V-ATPase is comprised of a cytosolic V1 domain and a transmembrane V0 domain. Mutations in this gene are associated with infantile malignant osteopetrosis. [provided by RefSeq]

Other Designations ATPase, H⁺ transporting, 116kD|T cell immune response cDNA7 protein|T-cell immune regulator 1|T-cell, immune regulator 1|T-cell, immune regulator 1, ATPase, H⁺ transporting, lysosomal V0 protein A3|T-cell, immune regulator 1, ATPase, H⁺ transporting, lyso

Pathway

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

Disease

- [Genetic Predisposition to Disease](#)
- [Osteopetrosis](#)
- [Osteoporosis](#)