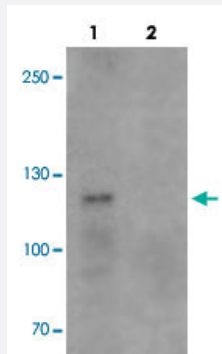


TCIRG1 polyclonal antibody

Catalog # PAB25649 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of TCIRG1 in EL4 cell lysate with TCIRG1 polyclonal antibody (Cat # PAB25649) at 0.5 ug/ml in (1) the absence and (2) the presence of blocking peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TCIRG1.
Immunogen	A synthetic peptide corresponding to 19 amino acids at N-terminus of human TCIRG1.
Host	Rabbit
Theoretical MW (kDa)	91
Reactivity	Human, Mouse, Rat
Specificity	At least two alternatively spliced isoforms are known to exist; this antibody will only detect the larger isoform.
Form	Liquid
Purification	Peptide affinity purification
Concentration	1 mg/mL
Isotype	IgG

Recommend Usage	Western Blot (0.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of TCIRG1 in EL4 cell lysate with TCIRG1 polyclonal antibody (Cat # PAB25649) at 0.5 ug/ml in (1) the absence and (2) the presence of blocking peptide.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — TCIRG1

Entrez GeneID	10312
Protein Accession#	NP_006010
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]
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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
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Pathway

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

Disease

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