

## Product datasheet for **TA590586**

### TCIRG1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	WB 1:5000~20000, ELISA 1:100-1:2000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DNA immunization. This antibody is specific for the N Terminus Region of the target protein.
Formulation:	20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.0
Concentration:	1.2mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	T cell immune regulator 1, ATPase H <sup>+</sup> transporting V0 subunit a3
Database Link:	<a href="#">NP_006010</a> <a href="#">Entrez Gene 27060 Mouse</a> <a href="#">Entrez Gene 10312 Human</a> <a href="#">Q13488</a>
Background:	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.
Synonyms:	a3; Atp6j; ATP6N1C; ATP6V0A3; OC-116kDa; OC116; OPTB1; Stv1; TIRC7; Vph1



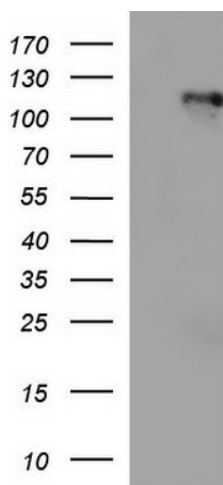
[View online »](#)

**Note:** This antibody was generated by SDIX's Genomic Antibody Technology® (GAT). [Learn about GAT](#)

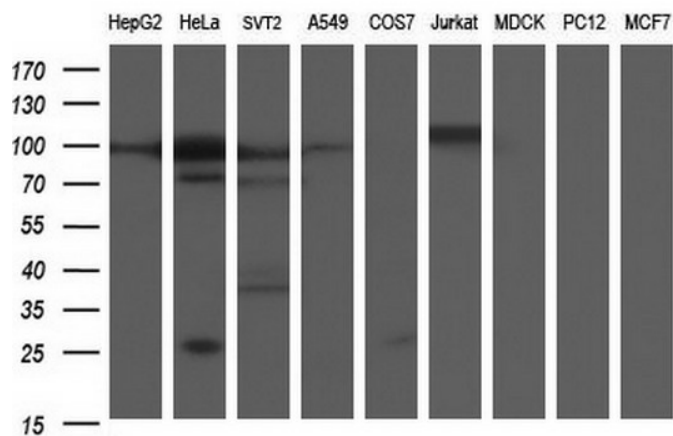
**Protein Families:** Transmembrane

**Protein Pathways:** Epithelial cell signaling in Helicobacter pylori infection, Lysosome, Metabolic pathways, Oxidative phosphorylation, Vibrio cholerae infection

**Product images:**

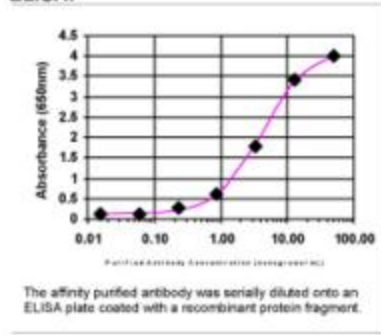


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TCIRG1 (Cat# [RC202125], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TCIRG1 (Cat# TA590586). Positive lysates [LY416888] (100ug) and [LC416888] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-TCIRG1 Polyclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).

ELISA:



ELISA: TCIRG1 Antibody