

Product datasheet for **TA382379S**

TCIRG1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	WB,1:200 - 1:2000 IHC,1:50 - 1:200 IF,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-130 of human TCIRG1 (NP_006010.2).
Formulation:	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	68kDa/92kDa
Gene Name:	T-cell immune regulator 1, ATPase H ⁺ transporting V0 subunit a3
Database Link:	Entrez Gene 10312 Human Q13488



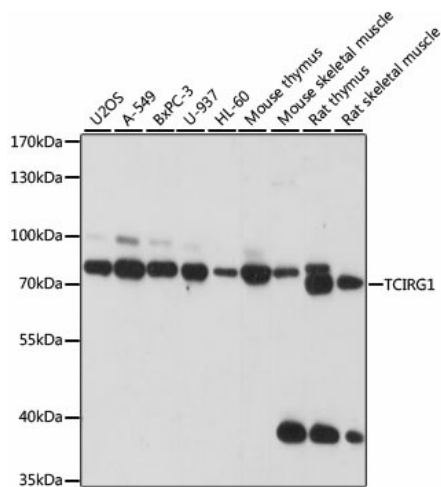
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Background:

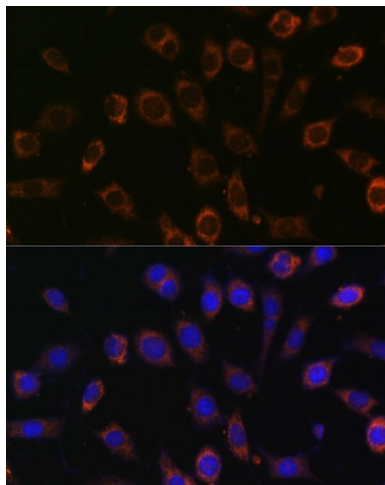
This gene encodes a subunit of a large protein complex known as a vacuolar H⁺-ATPase (V-ATPase). The protein complex acts as a pump to move protons across the membrane. This movement of protons helps regulate the pH of cells and their surrounding environment. V-ATPase dependent organelle acidification 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. Alternative splicing results in multiple transcript variants. Mutations in this gene are associated with infantile malignant osteopetrosis.

Synonyms:

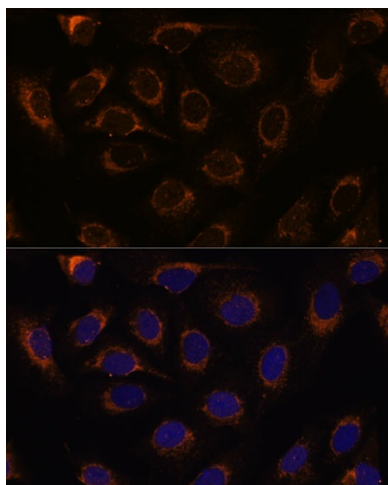
a3; Atp6i; ATP6N1C; ATP6V0A3; OC-116; OC-116kDa; OC116; OPTB1; Stv1; TIRC7; Vph1

Product images:


Western blot analysis of extracts of various cell lines, using TCIRG1 antibody ([TA382379]) at 1:1000 dilution. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% nonfat dry milk in TBST. |Detection: ECL Basic Kit . |Exposure time: 30s.



Immunofluorescence analysis of L929 cells using TCIRG1 Polyclonal Antibody ([TA382379]) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using TCIRG1 Polyclonal Antibody ([TA382379]) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.