

For Research Use Only

TCIRG1 Recombinant antibody

Catalog Number: 83351-6-RR



Basic Information

Catalog Number: 83351-6-RR	GenBank Accession Number: BC018133	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 10312	CloneNo.: 240166B2
Source: Rabbit	UNIPROT ID: Q13488	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: T-cell, immune regulator 1, ATPase, H ⁺ transporting, lysosomal VO subunit A3	
Immunogen Catalog Number: AG3378	Calculated MW: 830 aa, 93 kDa	
	Observed MW: 116 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SKOV-3 cells, HepG2 cells, Jurkat cells, Daudi cells
Species Specificity: Human	

Background Information

TCIRG1, also known as V ATPase 116 kDa isoform a3, TIRC7, OPTB1, belongs to the V-ATPase 116 kDa subunit family, TCIRG1 seems to be directly involved in T-cell activation (PubMed:10329006). Alternative splicing results in multiple transcript variants. Isoform long is highly expressed in osteoclastomas. Isoform short is highly expressed in thymus (PMID: 15809087, 24753205). Mutations in TCIRG1 are associated with Osteopetrosis, autosomal recessive 1 (OPTB1)(PMID: 11532986).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

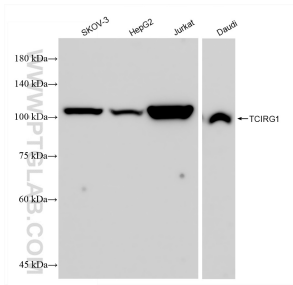
T: 4006900926

E: Proteintech-CN@ptglab.com

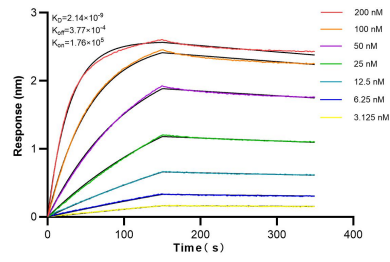
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83351-6-RR (TCIRG1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83351-6-RR against Human TCIRG1 were performed. The affinity constant is 2.14 nM.