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## Datasheet for ABIN6991729 anti-TCIRG1 antibody (N-Term)



Overview

Overview	
Quantity:	0.1 mg
Target:	TCIRG1
Binding Specificity:	AA 70-120, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TCIRG1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	TCIRG1 antibody was raised against a 19 amino acid synthetic peptide near the amino
	terminus of human TCIRG1. The immunogen is located within amino acids 70 - 120 of TCIRG1.
Isotype:	IgG
Specificity:	At least two alternatively spliced isoforms are known to exist, this antibody will only detect the
	larger isoform.
Purification:	TCIRG1 Antibody is affinity chromatography purified via peptide column.
Target Details	
Target:	TCIRG1
Alternative Name:	TCIRG1 (TCIRG1 Products)

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## Target Details

Background:	TCIRG1 Antibody: The T-cell immune regulator 1 (TCIRG1) is the a3 subunit of the vacuolar- type proton transporting ATPase (V-ATPase), a proton pump in late endosomes and lysosomes that functions in the luminal acidification of these organelles. Genetic defects in the gene encoding this protein a responsible for a severe form of autosomal recessive osteopetrosis, a condition that leads to increased bone density, decreased bone strength, and inflammation in bone tissues. TCIRG1 is also required for the normal secretion of insulin and the bacteria-killing function of macrophages.
Molecular Weight:	91 kDa
Gene ID:	10312
NCBI Accession:	NP_006010
UniProt:	Q13488
Pathways:	Transition Metal Ion Homeostasis, Proton Transport
Application Details	
Application Notes:	TCIRG1 antibody can be used for detection of TCIRG1 by Western blot at 0.5 $\mu\text{,g/mL}.$
	Antibody validated: Western Blot in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	TCIRG1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.

 Storage:
 -20 °C,4 °C

 Storage Comment:
 TCIRG1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

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