

# Product Datasheet

## TCIRG1 Antibody NBP1-89333

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-89333****TCIRG1 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

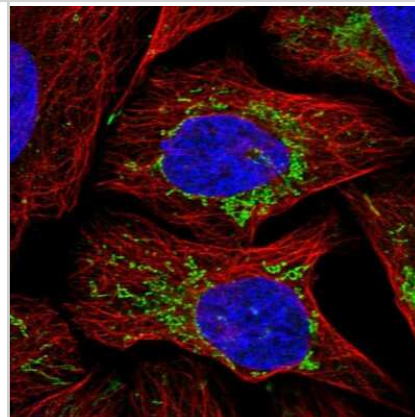
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	10312
<b>Gene Symbol</b>	TCIRG1
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 22245629).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: RPADRQEENKAGLLDLPDASVNGWSSDEEKAGGLDDEEEAELVPSEVLMHQA IHTI

<b>Product Application Details</b>	
<b>Applications</b>	Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

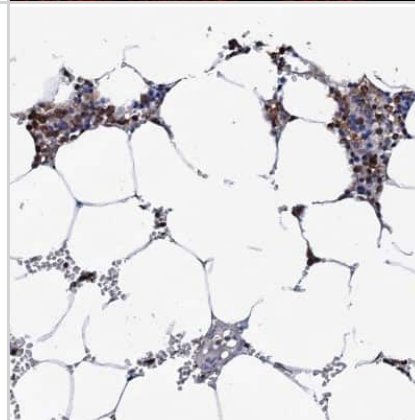


## Images

Immunocytochemistry/Immunofluorescence: TCIRG1 Antibody [NBP1-89333] - Staining of human cell line U-2 OS shows localization to mitochondria. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: TCIRG1 Antibody [NBP1-89333] - Staining of human bone marrow shows strong cytoplasmic positivity in hematopoietic cells.



## Publications

Tejeda-Muñoz N, Azbazdar Y, Monka J et al. The PMA Phorbol Ester Tumor Promoter Increases Canonical Wnt Signaling Via Macropinocytosis bioRxiv : the preprint server for biology 2023-06-05 [PMID: 37333286] (ICC/IF, Human)

Tejeda-Muñoz N, De Robertis E Lysosomes are Required for Early Dorsal Signaling in the Xenopus Embryo Proc Natl Acad Sci U S A 2022-04-21 [PMID: 35446621]

Hirata H, Xu X, Nishioka K, et al. PMEPA1 and NEDD4 control the proton production of osteoclasts by regulating vesicular trafficking FASEB journal : official publication of the Federation of American Societies for Experimental Biology 2021-02-01 [PMID: 33484199]

Bronckers AL, Lyaruu DM, Bervoets TJ et al. MURINE AMELOBLASTS ARE IMMUNONEGATIVE FOR TCIRG1, THE V-H-ATPase SUBUNIT ESSENTIAL FOR THE OSTEOCLAST PLASMA MEMBRANE PROTON PUMP. Bone 2012-04-01 [PMID: 22245629] (IF/IHC, Mouse)



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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