

TCIRG1 Rabbit mAb

Catalog No.: A24945

Recombinant

1 Publications

Basic Information

Observed MW

110 kDa

Calculated MW

93kDa

Category

Monoclonal Antibodies

Applications

WB, IF/ICC, IF-P, IHC-P, ELISA

Cross Reactivity

Human, Mouse, Rat

Clone No.

ARC64630

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.

Recommended Dilutions

WB	1:2000 - 1:8000
IF/ICC	1:200 - 1:800
IF-P	1:200 - 1:800
IHC-P	1:200 - 1:800
ELISA	Recommended starting concentration is 1 µg /mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

10312

Swiss-Prot

Q13488

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

a3; Stv1; Vph1; Atp6i; OC116; OPTB1; TIRC7; ATP6N1C; ATP6V0A3; OC-116kDa; TCIRG1

Product Information

Source

Rabbit

Isotype

IgG

Purity

Affinity purification

Storage

Store at -20°C

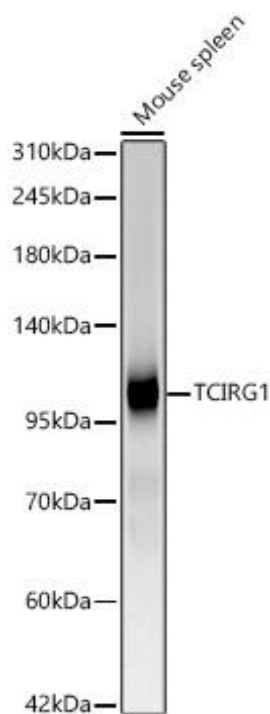
Contact

 | 400-999-6126

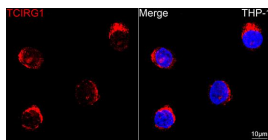
 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

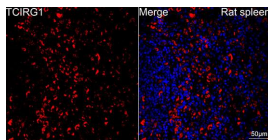
Validation Data



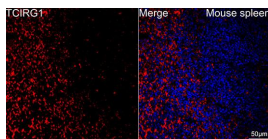
Western blot analysis of lysates from Mouse spleen, using TCIRG1 Rabbit mAb (A24945) at 1:4000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 45s.



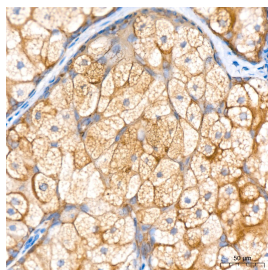
Confocal imaging of THP-1 cells using TCIRG1 Rabbit mAb (A24945, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



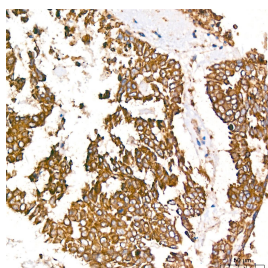
Confocal imaging of paraffin-embedded rat spleen using TCIRG1 Rabbit mAb (A24945, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.



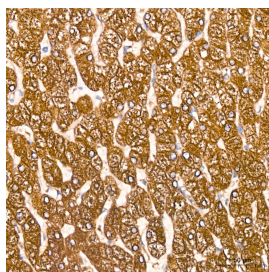
Confocal imaging of paraffin-embedded mouse spleen using TCIRG1 Rabbit mAb (A24945, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Human skin tissue using TCIRG1 Rabbit mAb (A24945) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using TCIRG1 Rabbit mAb (A24945) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using TCIRG1 Rabbit mAb (A24945) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.