




Product datasheet

Anti-TREM2 antibody ab95470

★★★★☆ [4 Abreviews](#) [7 References](#) [2 Images](#)

Overview

Product name	Anti-TREM2 antibody
Description	Goat polyclonal to TREM2
Host species	Goat
Tested applications	Suitable for: ICC
Species reactivity	Reacts with: Mouse Predicted to work with: Rat 
Immunogen	Synthetic peptide corresponding to Mouse TREM2 aa 154-165 (internal sequence). Sequence: C-QVEHSTSRNQET Database link: Q99NH8 <div>  Run BLAST with  Run BLAST with </div>
Positive control	ICC: NIH3T3-L1 cells
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	ab95470 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Clonality	Polyclonal
Isotype	IgG

Applications

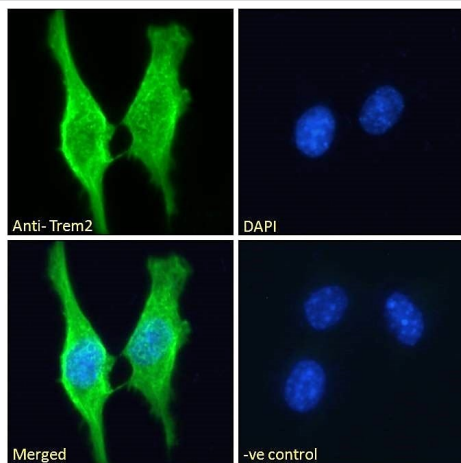
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab95470 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC		Use a concentration of 10 mg/ml.

Target

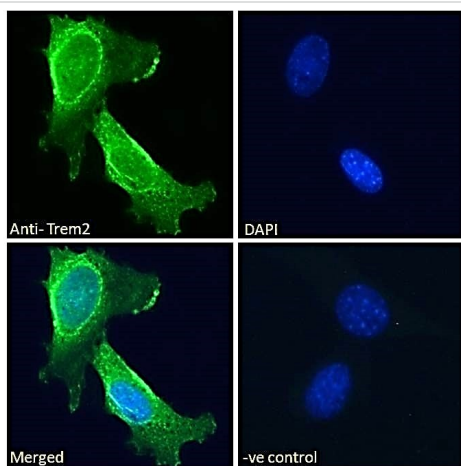
Function	May have a role in chronic inflammations and may stimulate production of constitutive rather than inflammatory chemokines and cytokines. Forms a receptor signaling complex with TYROBP and triggers activation of the immune responses in macrophages and dendritic cells.
Tissue specificity	Expressed on macrophages and dendritic cells but not on granulocytes or monocytes. In the CNS strongest expression seen in the basal ganglia, corpus callosum, medulla oblongata and spinal cord.
Involvement in disease	Defects in TREM2 are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOS) [MIM:221770]; also known as presenile dementia with bone cysts or Nasu-Hakola disease (NHD). PLOS is a recessively inherited disease characterized by a combination of psychotic symptoms rapidly progressing to presenile dementia and bone cysts restricted to wrists and ankles. PLOS has a global distribution, although most of the patients have been diagnosed in Finland and Japan, with an estimated population prevalence of 2x10 ⁻⁶ in the Finns.
Sequence similarities	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Secreted and Cell membrane.

Images



Immunocytochemistry - Anti-TREM2 antibody
(ab95470)

Immunocytochemistry/ Immunofluorescence analysis of paraformaldehyde fixed mouse 3T3-L1 cells labeling TREM2 with ab95470 at 10 µg/mL (incubation time, 1 hour). Cells were permeabilized with 0.15% Triton. Alexa Fluor 488 secondary antibody was used at 2µg/mL. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG at 10 µg/mL followed by Alexa Fluor 488 secondary antibody 2 µg/mL.



Immunocytochemistry - Anti-TREM2 antibody
(ab95470)

Immunofluorescence analysis of paraformaldehyde fixed 3T3-L1 cells, permeabilized with 0.15% Triton. Primary incubation with ab95470 1hr (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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