

Anti-TRAF4 antibody ab88612

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Overview

Product name	Anti-TRAF4 antibody
Description	Mouse polyclonal to TRAF4
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein within Human TRAF4. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements.
Positive control	WB: human pancreas tissue lysate, TRAF4 transfected 293T cell lysate ICC/IF: HeLa cell
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. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Constituent: 100% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab88612 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
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 54 kDa.
ICC/IF		Use a concentration of 10 µg/ml.

Target

Function

Adapter protein and signal transducer that links members of the tumor necrosis factor receptor (TNFR) family to different signaling pathways. Plays a role in the activation of NF-kappa-B and JNK, and in the regulation of cell survival and apoptosis. Regulates activation of NF-kappa-B in response to signaling through Toll-like receptors. Required for normal skeleton development, and for normal development of the respiratory tract (By similarity). Required for activation of RPS6KB1 in response to TNF signaling. Modulates TRAF6 functions.

Tissue specificity

Expressed in epithelial cells of thymus, dendritic cells of lymph node, and in the basal cell layer of epithelia such as epidermis, nasopharynx, respiratory tract, salivary gland, and esophagus.

Sequence similarities

Belongs to the TNF receptor-associated factor family. B subfamily.
Contains 1 MATH domain.
Contains 1 RING-type zinc finger.
Contains 3 TRAF-type zinc fingers.

Domain

The coiled coil domain mediates homo- and hetero-oligomerization.
The MATH/TRAF domain binds to receptor cytoplasmic domains.

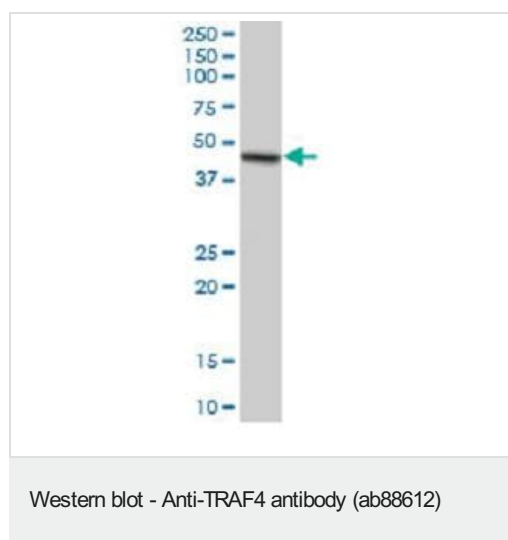
Post-translational modifications

Polyubiquitinated, leading to its proteasomal degradation.

Cellular localization

Cytoplasm. Nucleus. Cytoplasm > perinuclear region. Cell junction > tight junction. Cell membrane. Cytoplasm > cytoskeleton.

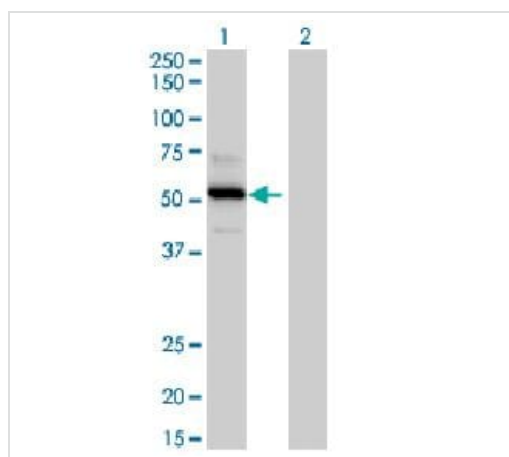
Images



Anti-TRAF4 antibody (ab88612) at 1 µg/ml + human pancreas tissue lysate at 50 µg

Predicted band size: 54 kDa

Observed band size: 45 kDa



Western blot - Anti-TRAF4 antibody (ab88612)

All lanes : Anti-TRAF4 antibody (ab88612) at 1 µg/ml

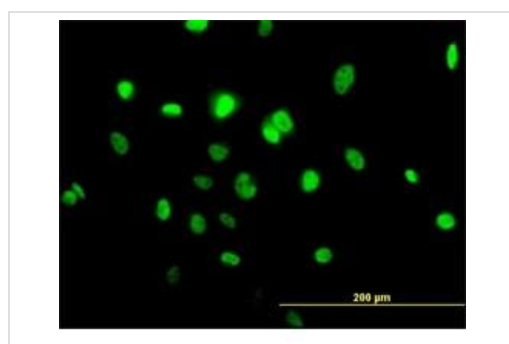
Lane 1 : TRAF4 transfected 293T cell lysate

Lane 2 : Non transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

Predicted band size: 54 kDa

Observed band size: 54 kDa



Immunocytochemistry/ Immunofluorescence - Anti-TRAF4 antibody (ab88612)

ab88612, at 10 µg/ml, staining TRAF4 on HeLa cell by Immunofluorescence.

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

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