abcam

Product datasheet

Anti-TICAM2 antibody ab17221

2 References 3 Images

Overview

Product name	Anti-TICAM2 antibody
Description	Rabbit polyclonal to TICAM2
Host species	Rabbit
Tested applications	**Suitable for:** ICC/IF, WB
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide (Human) (C terminal).
Positive control	PC3 whole cell lysate.
General notes	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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Ion Exchange Chromatography
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab17221 in the following tested applications.

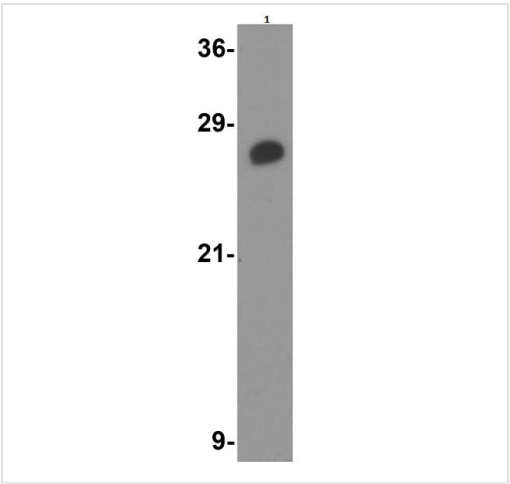
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 10 µg/ml.
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 24 kDa.

Target

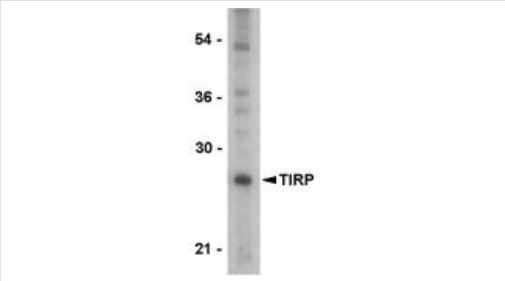
Function	Functions in LPS-TLR4 signaling to regulate the MYD88-independent pathway during the innate immune response to LPS. Also involved in IL1-triggered NF-kappa-B activation, functioning upstream of IRAK1, IRAK2, TRAF6, and IKBKB. Physically bridges TLR4 and TICAM1 and functionally transmits LPS-TRL4 signal to TICAM1.
Tissue specificity	Expressed in spleen, prostate, testis, uterus, small intestine, colon, peripheral blood leukocytes, heart, placenta, lung, liver, skeletal muscle, and pancreas.
Sequence similarities	Contains 1 TIR domain.
Domain	The TIR domain mediates the interaction with TRAF6.
Post-translational modifications	Phosphorylated by PKCE in response to LPS. Phosphorylation is essential for its function. It is depleted from the membrane upon phosphorylation. Myristoylated. Required for membrane association which is critical for its ability to initiate efficient signaling.
Cellular localization	Cytoplasm. Golgi apparatus. Cell membrane. Localized to the plasma membrane as a result of myristoylation. Phosphorylation on Ser-16 leads to its depletion from the membrane.

Images



Western blot - Anti-TICAM2 antibody (ab17221)

Western Blot of PC-3 cell lysate labeling TICAM2 with Anti-TICAM2 antibody (ab17221) at 1µg/ml.

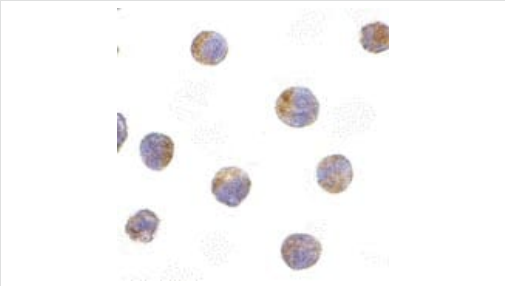


Western blot - Anti-TICAM2 antibody (ab17221)

Anti-TICAM2 antibody (ab17221) at 1 µg/ml + PC-3 cell lysate

Predicted band size: 24 kDa

Western blot using ab17221 at 1 µg/ml on PC-3 cell lysate.



Immunocytochemistry/ Immunofluorescence - Anti-TICAM2 antibody (ab17221)

ab17221 at 10µg/ml staining TICAM2 in Raji cells by ICC/IF

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