

Anti-TIRP TICAM2 Antibody

Catalog Number: A03965-2

About TICAM2

TIRP is a member of the Toll/interleukin-1 receptor (TIR) family, a group of proteins that include the Toll-like receptors (TLRs). TLRs are signaling molecules that recognize different pathogen-associated molecular patterns (PAMPs) and serve as an important link between the innate and adaptive immune responses. TIRP, along with other molecules such as TRIF, MAL, and MyD88, serves as an adaptor protein that allows for the interaction and activation of the IL-1R-associated kinase (IRAK) family, the subsequent activation of TNF receptor associated factor (TRAF)-6, and ultimately the activation of NF-kappaB. Expression of TIRP appears to be essential for TLR4 signalling.

Overview

Product Name	Anti-TIRP TICAM2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-TIRP TICAM2 Antibody (Catalog # A03965-2). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	TIRP Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TIRP antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q86XR7

Technical Details

Immunogen	TIRP antibody was raised against a peptide corresponding to 16 amino acids at the C-terminus of human TIRP. The immunogen is located within the last 50 amino acids of TIRP.
Predicted Reactive Species	Bovine
Cross Reactivity	At least four isoforms of RABEX5 are known to exist; this antibody will recognize all four. RABEX5 antibody is predicted to not cross-react with other LRRFIP family members.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TIRP Antibody is Ion exchange chromatography purified.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

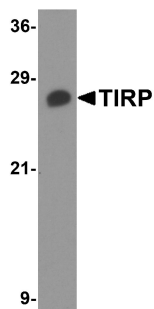
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

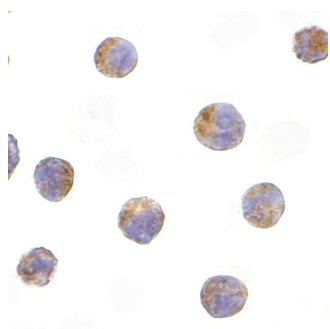
TIRP antibody can be used for detection of TIRP by Western blot at 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 10 ug/mL.

Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

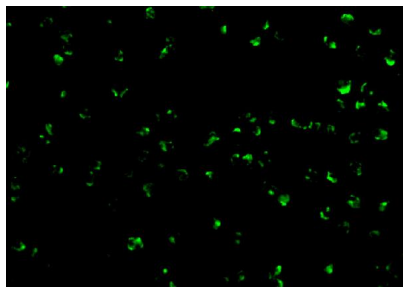
Anti-TIRP TICAM2 Antibody (A03965-2) Images



Western blot analysis of TIRP in PC-3 cell lysate with TIRP antibody at 1 ug/mL.



Immunocytochemistry of TIRP in Raji cells with TIRP antibody at 10 ug/mL.



Immunofluorescence of TIRP in Raji cells with TIRP antibody at 10 ug/mL.

1 Publications Citing This Product

1. PubMed ID: 32417325, Wang F, Ji S, Wang M, Liu L, Li Q, Jiang F, Cen J, Ji B. HMGB1 promoted P-glycoprotein at the blood-brain barrier in MCAO rats via TLR4/NF-kappaB signaling pathway. Eur J Pharmacol. 2020 Aug 5;880:173189. doi:10.1016/j.ejphar.2020.173189. Epub 2020 May 15. PMID:32417325.

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