Datasheet for ABIN500931

anti-TICAM2 antibody (C-Term)

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Overview

Quantity:	0.1 mg
Target:	TICAM2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TICAM2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	TIRP antibody was raised against a peptide corresponding to amino acids near the C- terminus of human TIRP.
Isotype:	IgG
Specificity:	This antibody detects TICAM2 / TRAM.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Ion exchange chromatography

Target Details

Target:	TICAM2

Target Details

Alternative Name:	TICAM2 / TRAM (TICAM2 Products)
Background:	TIRP is a member of the Toll/interleukin-1 receptor (TIR) family, a group of proteins that include the Toll-like receptors (TLRs) (1-3). 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 (4). 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 (5). Expression of TIRP appears to be essential for TLR4 signalling (6).Synonyms: Putative NF-kappa-B-activating protein 502, TICAM-2, TIR domain-containing adapter molecule 2, TIRAP3, TIRP, TRIF-related adapter molecule, Toll-like receptor adaptor protein 3, Toll/interleukin-1 receptor domain-containing protein
Gene ID:	353376
Pathways:	TLR Signaling, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Toll-Like Receptors Cascades

Application Details

Application Notes:	ELISA. Western blot: 0.5 to 2 µg/mL. Immunohistochemistry on parffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

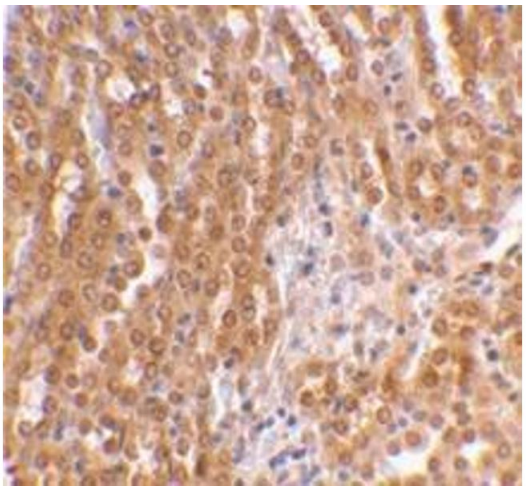
Publications

Product cited in:

Ye, Yang, Chen, Li, Jia, Su, Wang, He: "Electroacupuncture Improved Hippocampal Neurogenesis following Traumatic Brain Injury in Mice through Inhibition of TLR4 Signaling Pathway." in: **Stem cells international**, Vol. 2017, pp. 5841814, (2017) (PubMed).

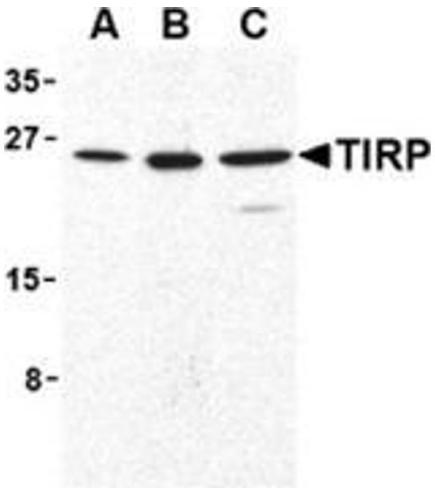
Landais, Pelton, Streblow, DeFilippis, McWeeney, Nelson: "Human Cytomegalovirus miR-UL112-3p Targets TLR2 and Modulates the TLR2/IRAK1/NFκB Signaling Pathway." in: **PLoS pathogens**, Vol. 11, Issue 5, pp. e1004881, (2016) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of mouse kidney using AP30889PU-N at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of TIRP in human (A), mouse (B), and rat (C) kidney cell lysates with this product at 1 µg/ml.