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Datasheet for 200-401-FF3

TIRAP Antibody

Overview

Description:	Anti-TIRAP (RABBIT) Antibody - 200-401-FF3
Item No.:	200-401-FF3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Toll-like receptors (TLRs) are signaling molecules that recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. These proteins act through adaptor molecules such as TIRAP and MyD88 to activate various kinases and transcription factors. In TIRAP-deficient mice, TLR signaling in response to TLR2 ligands (using either TLR1 and TLR6 as co-receptors) is totally abolished, suggesting that MyD88 and TIRAP work together and are both required for TLR2 signaling. Furthermore, these mice are also resistant to the toxic effects of LPS and show defects in NF-kB and MAP kinase activation, suggesting that TIRAP is also involved in TLR4 signaling.
Synonyms:	TIRAP Antibody, Mal, wyatt, BACTS1, MyD88-2, MAL, Adaptor protein Wyatt, TIR domain-containing adapter protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TIRAP
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-TIRAP antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to amino acids near the internal region of human TIRAP.
Purity/Specificity:	Anti-TIRAP Antibody is affinity chromatography purified via peptide column. Cross reactivity with TIRAP from other sources has not been determined.
Relevant Links:	• UniProtKB - P58753 • GeneID - 114609 • NCBI - NP_001034750.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TIRAP Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 24 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:40,000
IF:	2 µg/mL
IHC:	20 µg/mL
WB:	4 µg/mL

Formulation

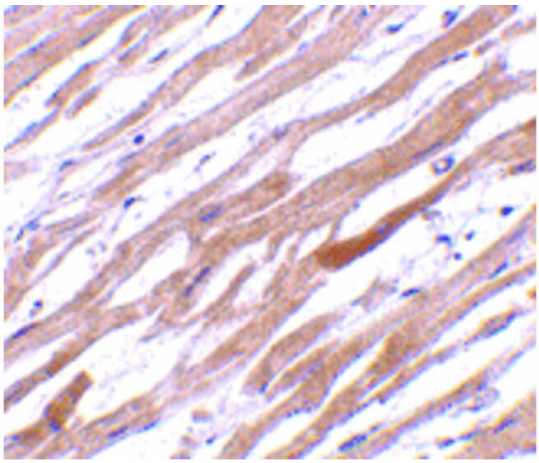
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

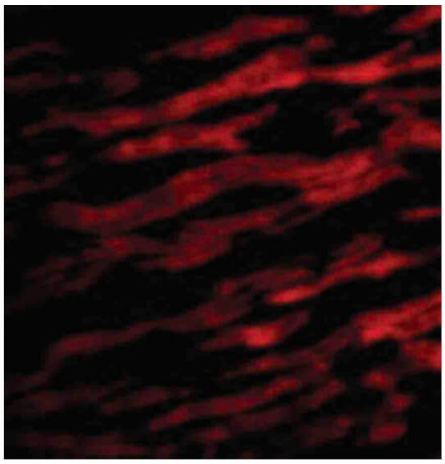
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

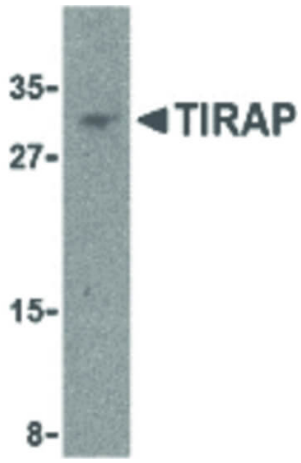
Images



Immunohistochemistry
Immunohistochemistry of TIRAP antibody. Tissue: human heart tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TIRAP antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TIRAP is located in the cell membrane. Staining: TIRAP is stained with hematoxylin purple nuclear counterstain.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of TIRAP antibody. Cell Type: human heart cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: TIRAP antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TIRAP is located in the cell membrane. Staining: TIRAP as red fluorescent signal.



Western Blot

Western Blot of TIRAP antibody. MCF-7 cell lysate. Load: 35 µg. Primary antibody: TIRAP antibody at 4 µg/ml for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 42 kDa, 30 kDa for TIRAP. Other band(s): TIRAP splice variants and isoforms.

Disclaimer

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