


Product datasheet

Anti-TIRAP antibody ab17218

★★★★★ [2 Abreviews](#) [13 References](#) [2 Images](#)

Overview

Product name	Anti-TIRAP antibody
Description	Rabbit polyclonal to TIRAP
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Rhesus monkey 
Immunogen	Synthetic peptide. 15 amino acids near the C-terminus of mouse TIRAP (GenBank accession no.AAL05628).
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. Store at +4°C short term (1-2 weeks). Store at -20°C. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Purification notes	ab17218 is purified by ion exchange chromatography. TIRAP Antibody is affinity chromatography purified via peptide column.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab17218 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 0.5 - 2 µg/ml. Detects a band of approximately 34 kDa.
ICC/IF	★★★★★ (1)	Use a concentration of 10 µg/ml.
IHC-P	★★★★★ (1)	Use a concentration of 2 µg/ml.

Target

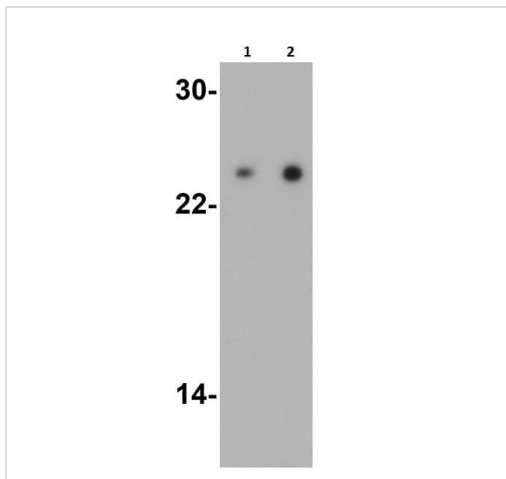
Relevance

The Toll-like receptor (TLR) family in mammals comprises a family of transmembrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and IL-1 receptor motif in the cytoplasmic domain. Like its counterparts in *Drosophila*, TLRs signal through adaptor molecules. The TLR family is a phylogenetically conserved mediator of innate immunity that is essential for microbial recognition. Ten human homologs of TLRs (TLR1-10) have been described. TIRAP (TIR domain-containing adaptor protein) is an adaptor protein used by TLR4. Blocking TIRAP inhibits TLR4-mediated signaling events, including DC maturation and cytokine production. Function: Adapter involved in TLR2 and TLR4 signaling pathways in the innate immune response. Acts via IRAK2 and TRAF-6, leading to the activation of NF-kappa-B, MAPK1, MAPK3 and JNK, and resulting in cytokine secretion and the inflammatory response. Positively regulates the production of TNF-alpha and interleukin-6. Tissue specificity: Highly expressed in liver, kidney, spleen, skeletal muscle and heart. Also detected in peripheral blood leukocytes, lung, placenta, small intestine, thymus, colon and brain. Post-translational modification: Phosphorylated by IRAK1 and IRAK4. Also phosphorylated by BTK. Sequence similarities: Contains 1 TIR domain.

Cellular localization

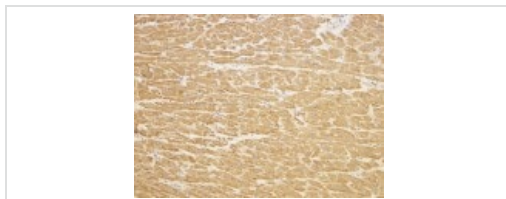
Cytoplasmic

Images



Western Blot of human heart lysate labeling TIRAP with Anti-TIRAP antibody (ab17218) at (1) 1 and (2) 2µg/ml.

Western blot - Anti-TIRAP antibody (ab17218)



ab17218 at 2µg/ml staining TIRAP in human heart cells by IHC

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TIRAP antibody (ab17218)

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

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