

## ARG63640 anti-TIRAP / Mal antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes TIRAP / Mal
Tested Reactivity	Hu
Tested Application	WB
Specificity	This protein is expected to recognise isoform b (NP_683708.1) only.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	TIRAP / Mal
Species	Human
Immunogen	C-EGEGERDSATVSDL
Conjugation	Un-conjugated
Alternate Names	MyD88-2; BACTS1; Toll/interleukin-1 receptor domain-containing adapter protein; TIR domain-containing adapter protein; Adaptor protein Wyatt; MyD88 adapter-like protein; wyatt; Mal

### Application Instructions

Application table	Application	Dilution
	WB	1 - 3 µg/ml

**Application Note**  
WB: Recommend incubate at RT for 1h.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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### Database links

[GeneID: 114609 Human](#)

[Swiss-port # P58753 Human](#)

### Background

The innate immune system recognizes microbial pathogens through Toll-like receptors (TLRs), which identify pathogen-associated molecular patterns. Different TLRs recognize different pathogen-associated molecular patterns and all TLRs have a Toll-interleukin 1 receptor (TIR) domain, which is responsible for signal transduction. The protein encoded by this gene is a TIR adaptor protein involved in the TLR4 signaling pathway of the immune system. It activates NF-kappa-B, MAPK1, MAPK3 and JNK, which then results in cytokine secretion and the inflammatory response. Alternative splicing of this gene results in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]

### Research Area

Cell Biology and Cellular Response antibody; Immune System antibody; Signaling Transduction antibody

### Calculated Mw

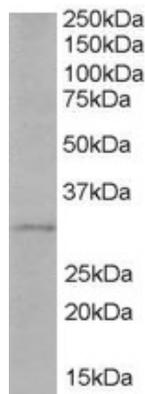
24 kDa

### PTM

Phosphorylated by IRAK1 and IRAK4. Also phosphorylated by BTK.  
Polyubiquitinated. Polyubiquitination follows phosphorylation by BTK and leads to TIRAP degradation.

## Images

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ARG63640 anti-TIRAP / Mal antibody WB image

Western Blot: Human Liver lysate (35 µg protein in RIPA buffer) stained with ARG63640 anti-TIRAP / Mal (Isoform b) antibody at 1 µg/ml dilution.