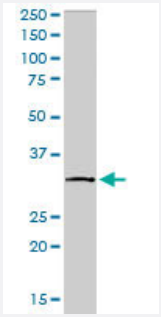
TIRAP polyclonal antibody

Catalog # PAB6059 Size 100 ug

Applications



Western Blot (Tissue lysate)

TIRAP polyclonal antibody (Cat # PAB6059) staining (1 ug/mL) of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of TIRAP.
Immunogen	A synthetic peptide corresponding to human TIRAP.
Sequence	C-EGEGERDSATVSDL
Host	Goat
Theoretical MW (kDa)	25.3
Reactivity	Human
Specificity	This antibody is expected to recognize isoform b only (as represented by NP_683708.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:128000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — TIRAP

Entrez GeneID	114609
Protein Accession#	NP_683708.1
Gene Name	TIRAP
Gene Alias	FLJ42305, Mal, wyatt
Gene Description	toll-interleukin 1 receptor (TIR) domain containing adaptor protein
Omim ID	606252 607948 610799 611162
Gene Ontology	Hyperlink
Gene Summary	The innate immune system recognizes microbial pathogens through Toll-like receptors (TLRs), wh ich 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 i nvolved 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. Alternat ive splicing of this gene results in several transcript variants; however, not all variants have been fu lly described. [provided by RefSeq

Other Designations	MyD88 adapter-like protein|OTTHUMP00000179130|OTTHUMP00000179132|TIR domain-containing adapter protein|TIR domain-containing adaptor protein|Toll-interleukin 1 receptor (TIR) domain-containing adapter protein|Toll-interleukin 1 receptor (TIR) domain-conta

Publication Reference

- Distinct pathways of LPS-induced NF-kappa B activation and cytokine production in human myeloid and nonmyeloid cells defined by selective utilization of MyD88 and Mal/TIRAP.

  Andreakos E, Sacre SM, Smith C, Lundberg A, Kiriakidis S, Stonehouse T, Monaco C, Feldmann M, Foxwell BM.

  Blood 2004 Mar; 103(6):2229.

  Application: WB, Human, Human macrophages

Pathway

- Toll-like receptor signaling pathway

Disease

- Acute Lung Injury
- Bacteriuria
- Candidiasis
- Cardiovascular Diseases
- Chagas Cardiomyopathy
- Chronic Disease
- Cross Infection
- Cystitis
- Dermatitis
- Diabetes Mellitus
- Disease Progression
- Edema

- Genetic Predisposition to Disease
- HIV Infections
- Inflammation
- Leprosy
- Lupus Erythematosus
- Malaria
- Pneumonia
- Prostate cancer
- Prostatic Neoplasms
- Pyelonephritis
- Respiratory Distress Syndrome
- Sepsis
- Tuberculosis
- Urinary Tract Infections