

TIRAP (Phospho Tyr86) Rabbit pAb

CatalogNo: YP1112

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC, IF, ELISA

MW

- 24kD (Calculated)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:100-1:300

ELISA 1:5000

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human TIRAP around the phosphorylation site of Tyr86. AA range:52-101

Specificity

Phospho-TIRAP (Y86) Polyclonal Antibody detects endogenous levels of TIRAP protein only when phosphorylated at Y86. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):KDYDV

| Target Information

Gene name TIRAP

Protein Name Toll/interleukin-1 receptor domain-containing adapter protein

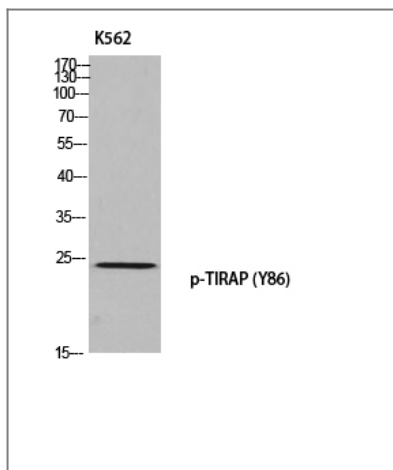
Organism	Gene ID	UniProt ID
Human	114609 ;	P58753 ;
Mouse	117149 ;	Q99JY1 ;

Cellular Localization Cytoplasm . Cell membrane . Membrane . Colocalizes with DAB2IP at the plasma membrane.

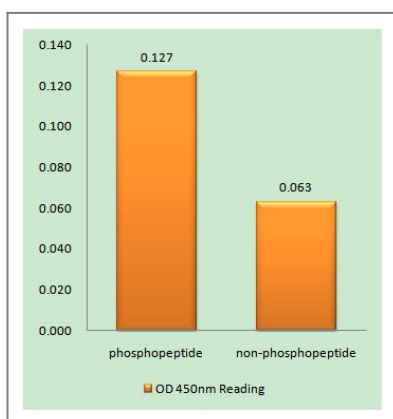
Tissue specificity Highly expressed in liver , kidney , spleen , skeletal muscle and heart. Also detected in peripheral blood leukocytes , lung , placenta , small intestine , thymus , colon and brain.

Function Function:Adapter involved in the TLR4 signaling pathway in the innate immune response. Acts via IRAK2 and TRAF-6 , leading to the activation of NF-kappa-B , MAPK1 , MAPK3 and JNK , resulting in cytokine secretion and the inflammatory response. ,polymorphism:Genetic variation in TIRAP can influence susceptibility or resistance to invasive pneumococcal disease , bacteremia , malaria and tuberculosi. ,similarity:Contains 1 TIR domain. ,subunit:Homodimer. Also forms heterodimers with MyD88. Binds to TLR4 and IRAK2 via their respective TIR domains. Binds to PKR and TBK1. Does not interact with IRAK1 , nor TLR9. ,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. ,

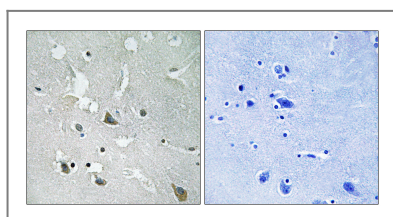
| Validation Data



Western blot analysis of K562 using p-TIRAP (Y86) antibody.



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using TIRAP (Phospho-Tyr86) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using TIRAP (Phospho-Tyr86) Antibody. The picture on the right is blocked with the phospho peptide.

Contact information

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