

LY96 Polyclonal Antibody

Catalog No :	YN2063
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	LY96
Fields :	>>NF-kappa B signaling pathway;>>Toll-like receptor signaling pathway;>>Alcoholic liver disease;>>Salmonella infection;>>Pertussis;>>Toxoplasmosis;>>Lipid and atherosclerosis
Gene Name :	LY96 ESOP1 MD2
Protein Name :	Lymphocyte antigen 96 (Ly-96) (ESOP-1) (Protein MD-2)
Human Gene Id :	23643
Human Swiss Prot No :	Q9Y6Y9
Mouse Swiss Prot No :	Q9JHF9
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	LY96 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 17kD

Cell Pathway : Toll_Like;Pathogenic Escherichia coli infection;

Background : This gene encodes a protein which associates with toll-like receptor 4 on the cell surface and confers responsiveness to lipopolysaccharide (LPS), thus providing a link between the receptor and LPS signaling. Studies of the mouse ortholog suggest that this gene may be involved in endotoxin neutralization. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2010],

Function : function:Cooperates with TLR4 in the innate immune response to bacterial lipopolysaccharide (LPS), and with TLR2 in the response to cell wall components from Gram-positive and Gram-negative bacteria. Enhances TLR4-dependent activation of NF-kappa-B. Cells expressing both MD2 and TLR4, but not TLR4 alone, respond to LPS.,PTM:N-glycosylated; high-mannose.,subunit:Heterogeneous homopolymer formed from homodimers; disulfide-linked. Belongs to the lipopolysaccharide (LPS) receptor, a multi-protein complex containing at least CD14, LY96 and TLR4. Binds to the extracellular domains of TLR2 and TLR4. Ligand binding induces interaction with TLR4 and oligomerization of the complex.,

Subcellular Location : Secreted, extracellular space . Secreted . Retained in the extracellular space at the cell surface by interaction with TLR4 (PubMed:10359581) .

Expression : Liver,Uterus,

Products Images

