

Rabbit anti-Human, Rat LY96 Polyclonal Antibody | anti-LY96 antibody

LY96 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326434	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

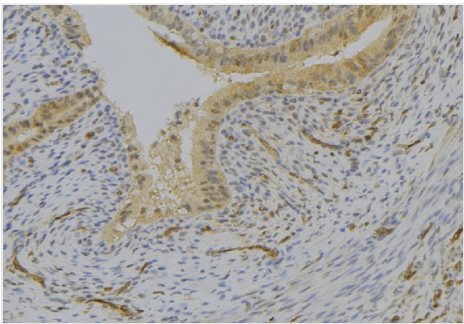
PRODUCT SYNONYMS

LY96; Polyclonal Antibody; LY96 Antibody; ESOP 1; ESOP-1; ESOP1; LY 96; Ly-96; LY96_HUMAN; Lymphocyte antigen 96; md 2; MD 2 protein; MD2 protein; Myeloid differentiation protein 2; Protein MD 2; Protein MD-2; Protein MD2; anti-LY96 antibody

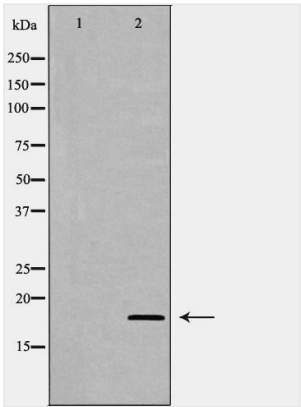
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LY96 antibody detects endogenous levels of total LY96
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	130
Applicable Applications for anti-LY96 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human LY96
Subcellular Location	Secreted > Extracellular Space.
Predicted Cross Reactivity	Horse, Dog
Similarity	Horse (100%), Dog (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326434 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Rat spleen lysate, using LY96 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-LY96 antibody	Description: 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. Function: Binds bacterial lipopolysaccharide (LPS) (PubMed:17803912, PubMed:17569869). 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 (PubMed:11160242, PubMed:11593030). Enhances TLR4-dependent activation of NF-kappa-B (PubMed:10359581). Cells expressing both LY96 and TLR4, but not TLR4 alone, respond to LPS (PubMed:10359581). Subunit Structure: Heterogeneous homopolymer formed from homodimers; disulfide-linked (PubMed:11593030, PubMed:12642668). Belongs to the lipopolysaccharide (LPS) receptor, a multi-protein complex containing at least CD14, LY96 and TLR4 (PubMed:11274165). Binds to the extracellular domains of TLR2 and TLR4 (PubMed:10359581, PubMed:11593030, PubMed:17803912). Ligand binding induces interaction with TLR4 and oligomerization of the complex. Post-translational Modifications: N-glycosylated; high-mannose.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	307775409
NCBI GeneID	23643
NCBI Accession #	NP_001182726.1
NCBI GenBank Nucleotide #	NM_001195797.1
UniProt Accession #	Q9Y6Y9; B3Y6A5; E5RJJ7
Molecular Weight	Observed: 18 kDa Predicted: 19 kDa
NCBI Official Full Name	lymphocyte antigen 96 isoform 2
NCBI Official Synonym Full Names	lymphocyte antigen 96
NCBI Official Symbol	LY96
NCBI Official Synonym Symbols	MD2; MD-2; ly-96; ESOP-1
NCBI Protein Information	lymphocyte antigen 96
UniProt Protein Name	Lymphocyte antigen 96

UniProt Gene Name	LY96
UniProt Synonym Gene Names	ESOP1; MD2; Ly-96

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ly96-antibody-immunohistochemistry-western-blot-elisa/326434>