

For Research Use Only

LY96/MD2 Polyclonal antibody

Catalog Number: 11784-1-AP **7 Publications**



Basic Information

Catalog Number: 11784-1-AP	GenBank Accession Number: BC020690	Purification Method: Antigen affinity purification
Size: 550 µg/ml	GeneID (NCBI): 23643	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9Y6Y9	
Isotype: IgG	Full Name: lymphocyte antigen 96	
Immunogen Catalog Number: AG2447	Calculated MW: 160 aa, 18 kDa	
	Observed MW: 20-26 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse testis tissue, rat testis tissue IHC : mouse testis tissue,
Cited Applications: IF, IHC, IP, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

LY96, also named as ESOP1 or MD 2, is a small secreted glycoprotein that can bind to both the hydrophobic portion of LPS and to the extracellular domain of TLR4. The interaction between MD-2 and LPS bridges the two TLR4 molecules and induces the dimerization of LPS-MD-2-TLR4, which forms the structural basis for biological functions of TLR4/MD-2 complex. Due to its essential role in mediating the interaction between LPS and TLR4, MD-2 has been extensively explored as a therapeutic target for treatment of inflammatory disorders.

Notable Publications

Author	Pubmed ID	Journal	Application
Min Zhang	36414003	J Agric Food Chem	WB,IF,IP
Mengya Zhao	35372062	Front Oncol	WB
Zhen Sun	35257279	J Cardiovasc Transl Res	WB

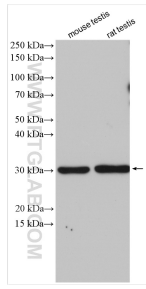
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

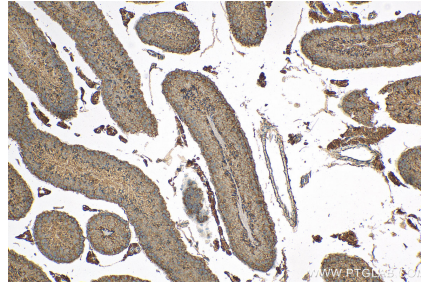
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11784-1-AP (LY96/MD2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 11784-1-AP (LY96/MD2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).