

For Research Use Only

CD36 Polyclonal antibody

Catalog Number: 32731-1-AP



Basic Information

Catalog Number: 32731-1-AP	GenBank Accession Number: NM_007643.4	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 12491	Recommended Dilutions: WB: 1:1000-1:6000 IHC: 1:400-1:1600
Source: Rabbit	UNIPROT ID: Q08857	
Isotype: IgG	Full Name: CD36 antigen	
Immunogen Catalog Number: EG3464	Calculated MW: 53 kDa	
	Observed MW: 80-85 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: mouse, rat	WB : mouse spleen tissue, rat spleen tissue
	IHC : mouse spleen tissue,

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

CD36, also named as GP3B and GP4, is a membrane glycoprotein present on platelets, monocytes, erythroid precursors, endothelial cells, and several tumor cell lines. CD36 binds to collagen, thrombospondin, anionic phospholipids, long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport and oxidized LDL. CD36 may function as a cell adhesion molecule. It mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes. Mutation of CD36 will cause platelet glycoprotein IV deficiency which known as CD36 deficiency. Genetic variations in CD36 are associated with susceptibility to coronary heart disease type 7 (CHDS7).

Storage

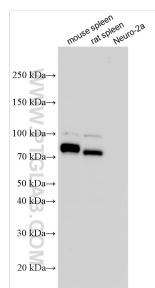
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

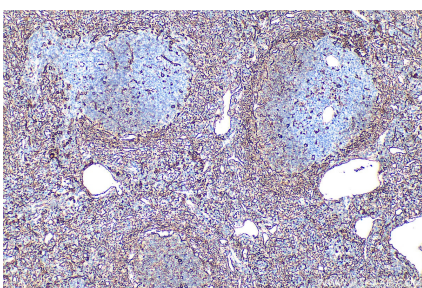
For technical support and original validation data for this product please contact:
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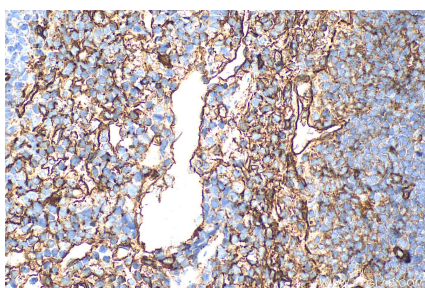
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32731-1-AP (CD36 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 32731-1-AP (CD36 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 32731-1-AP (CD36 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).