

For Research Use Only

CD81 Polyclonal antibody

Catalog Number: 33170-1-AP



Basic Information

Catalog Number: 33170-1-AP	GenBank Accession Number: NM_133655.2	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 12520	Recommended Dilutions: WB: 1:500-1:2000 IHC: 1:200-1:800
Isotype: IgG	UNIPROT ID: P35762	
Immunogen Catalog Number: EG3833	Full Name: CD81 antigen	
	Calculated MW: 26 kDa	
	Observed MW: 20-23 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: NIH/3T3 cells, mouse brain tissue

IHC: mouse liver tissue, mouse spleen tissue

Background Information

CD81 (also known as TAPA1 or TSPAN28) is a membrane protein of the tetraspanin superfamily, which are characterized by the presence of four conserved transmembrane regions. Many of these members are expressed on leukocytes and have been implicated in signal transduction, cell-cell interactions, and cellular activation and development. CD81 is involved in signal transduction and cell adhesion in the immune system (PMID: 9597125). CD81 has also been identified as an essential receptor for HCV (hepatitis C virus) (PMID: 21428934).

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

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

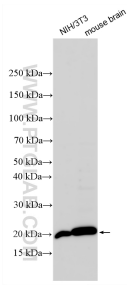
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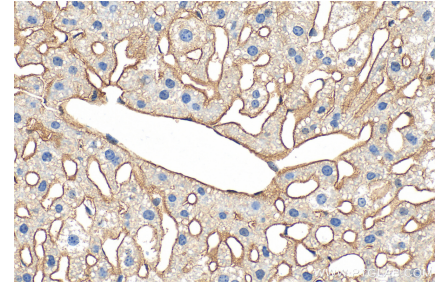
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33170-1-AP (CD81 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 33170-1-AP (CD81 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 33170-1-AP (CD81 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).