

For Research Use Only

# CD81 Polyclonal antibody

Catalog Number:33170-1-AP



## Basic Information

<b>Catalog Number:</b> 33170-1-AP	<b>GenBank Accession Number:</b> NM_133655.2	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 480 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 12520	<b>Recommended Dilutions:</b> WB: 1:500-1:2000 IHC: 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P35762	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD81 antigen	
<b>Immunogen Catalog Number:</b> EG3833	<b>Calculated MW:</b> 26 kDa	
	<b>Observed MW:</b> 20-23 kDa	

## Applications

**Tested Applications:**  
WB, 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

\*\*\* 20ul sizes contain 0.1% BSA

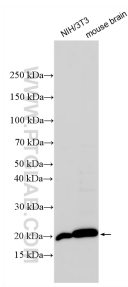
For technical support and original validation data for this product please contact:

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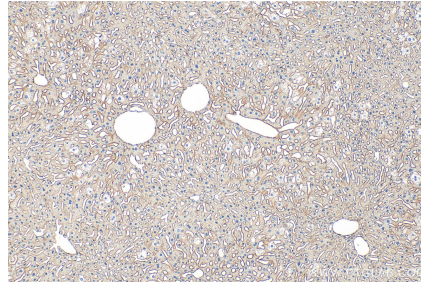
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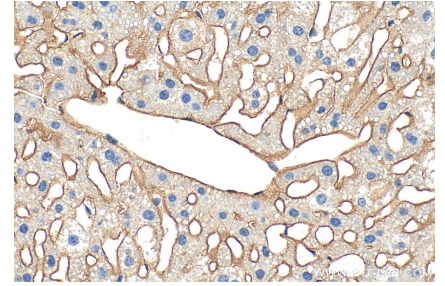
## Selected Validation Data



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).