

For Research Use Only

CD90 / Thy1 Polyclonal antibody

Catalog Number: 27178-1-AP **4 Publications**



Basic Information

Catalog Number: 27178-1-AP	GenBank Accession Number: BC065559	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 7070	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: Thy-1 cell surface antigen	
Isotype: IgG	Calculated MW: 161 aa, 18 kDa	
Immunogen Catalog Number: AG25603	Observed MW: 26 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : fetal human brain tissue, mouse brain tissue, rat brain tissue, pig brain tissue IHC : human colon cancer tissue, human lung cancer tissue, mouse spleen tissue, mouse brain tissue
Cited Applications: IF	
Species Specificity: human, mouse, rat, pig	
Cited Species: human, rat, mouse	

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

CD90, also known as THY1, is a 25-35 kD protein that is expressed on 1-4% of human fetal liver cells, cord blood cells, and bone marrow cells. CD90 is one of the essential surface molecules expressed on human MSC from bone marrow and other sources. Activation of Thy-1 has been reported to promote T cell activation. It also affects numerous nonimmunologic biological processes, including cellular adhesion, neurite outgrowth, tumor growth, migration, and cell death.

Notable Publications

Author	Pubmed ID	Journal	Application
Huiling Chen	35411597	Neurogastroenterol Motil	IF
Yao Wang	38150981	Mol Immunol	IF
Peimeng Zhan	37952104	Stem Cells	IF

Storage

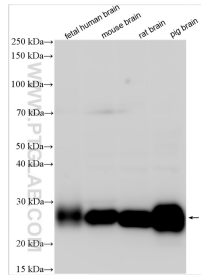
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

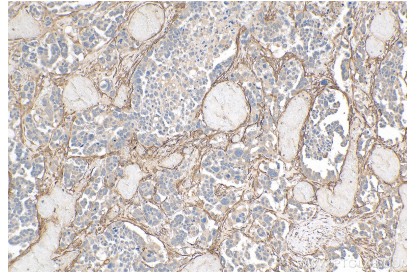
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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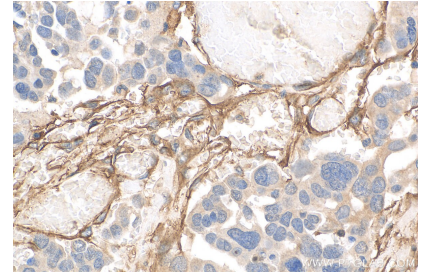
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27178-1-AP (CD90 / Thy1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 27178-1-AP (CD90 / Thy1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 27178-1-AP (CD90 / Thy1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).