

For Research Use Only

CD24 Polyclonal antibody

Catalog Number: 10600-1-AP **8 Publications**



Basic Information

Catalog Number: 10600-1-AP	GenBank Accession Number: BC007674	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 100133941	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:300-1:1200
Source: Rabbit	UNIPROT ID: P25063	
Isotype: IgG	Full Name: CD24 molecule	
Immunogen Catalog Number: AG0654	Calculated MW: 8 kDa	
	Observed MW: 30-70 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB, IF	WB : Daudi cells, mouse brain tissue, rat spleen tissue, Jurkat cells, MCF-7 cell, Raji cells
Species Specificity: human, mouse, rat	IHC : human appendicitis tissue,
Cited Species: human, 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

CD24 (known as heat stable antigen) is a small highly glycosylated GPI-linked sialoprotein. It is normally expressed at the surface of most B lymphocytes and differentiating neuroblasts, and it is also up-regulated in a wide variety of cancers. Studies have shown that CD24 functions in the regulation of B-cell apoptosis, leukocyte signal transduction, and leukocyte adhesion. Since it is highly glycosylated, the apparent molecular weight of CD24 could be variable, ranging from 30 kDa to 70 kDa. (Ref: Akihiko Sano, MD., 2009)

Notable Publications

Author	Pubmed ID	Journal	Application
Kai Guo	34514877	Thyroid	
Tyler A Smith	33008419	J Neuroinflammation	
Yilu Qin	33511005	Adv Sci (Weinh)	

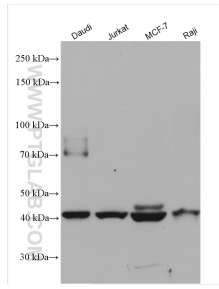
Storage

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

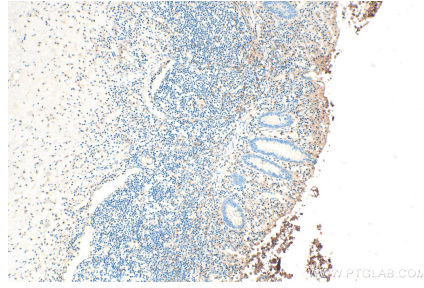
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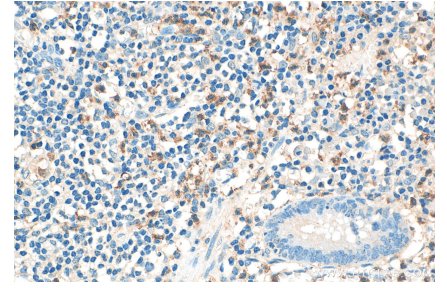
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10600-1-AP (CD24 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 10600-1-AP (CD24 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 10600-1-AP (CD24 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).