

For Research Use Only

CD138/Syndecan-1 Polyclonal antibody



Catalog Number: 10593-1-AP

19 Publications

Basic Information

Catalog Number: 10593-1-AP	GenBank Accession Number: BC008765	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6382	Recommended Dilutions: WB 1:500-1:1000 IHC 1:800-1:3200
Source: Rabbit	Full Name: syndecan 1	
Isotype: IgG	Calculated MW: 32.5 kDa	
Immunogen Catalog Number: AG0823	Observed MW: 130 kDa, 200 kDa, 60-100 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : A549 cells, Raji cells, HeLa cells
Cited Applications: IF, IHC, IP, WB	IHC : human tonsillitis tissue, human ovary tumor tissue
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, pig	

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

CD138, also named as Syndecan-1 (SDC1), is an integral membrane protein. It participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. It is a heparan sulfate proteoglycan expressed on the surface of, and actively shed by, myeloma cells. Altered syndecan-1 expression has been detected in several different tumor types. CD138 was regarded as a useful marker for labeling normal and neoplastic plasma cells and plasmacytoid lymphomas. CD138 has a calculated molecular weight of 32.5 kDa, the apparent molecular weight is higher due to extensive glycosylation.

Notable Publications

Author	Pubmed ID	Journal	Application
Kai Guo	34514877	Thyroid	IHC
Yao Yao	27634873	Oncotarget	IHC
Binbin Guo	34690213	J Reprod Dev	WB

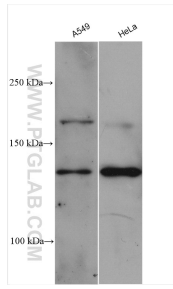
Storage

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

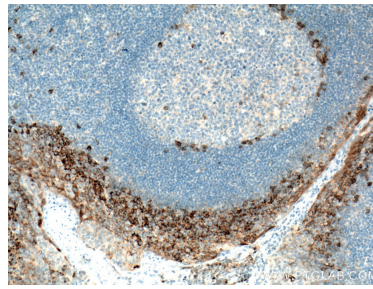
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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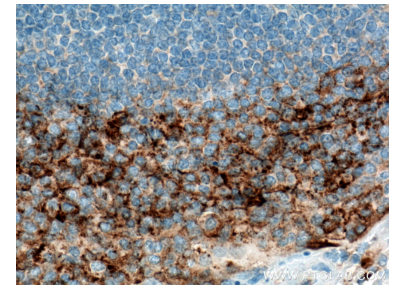
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10593-1-AP (CD138/Syndecan-1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10593-1-AP (CD138/Syndecan-1 antibody) at dilution of 1:1600 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10593-1-AP (CD138/Syndecan-1 antibody) at dilution of 1:1600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).