

For Research Use Only

CD138/Syndecan-1 Polyclonal antibody

Catalog Number: 10593-1-AP

Featured Product

42 Publications



Basic Information

Catalog Number:

10593-1-AP

Concentration:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0823

GenBank Accession Number:

BC008765

GeneID (NCBI):

6382

UNIPROT ID:

P18827

Full Name:

syndecan 1

Calculated MW:

32.5 kDa

Observed MW:

60-100 kDa, 130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:800-1:3200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, pig

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 : HeLa cells, A549 cells, Raji cells

IHC : human tonsillitis tissue, human ovary tumor tissue

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

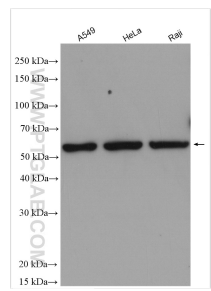
T: 4006900926

E: Proteintech-CN@ptglab.com

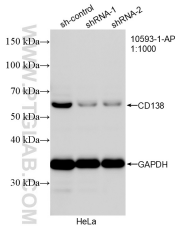
W: ptgcn.com

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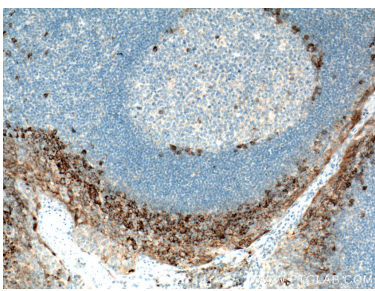
Selected Validation Data



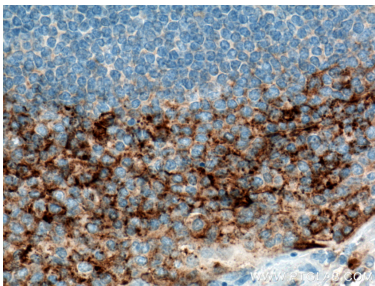
Various lysates were subjected to SDS PAGE followed by western blot with 10593-1-AP (CD138/Syndecan-1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of CD138/Syndecan-1 antibody (10593-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CD138/Syndecan-1 transfected HeLa cells.



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).