

For Research Use Only

CD138/Syndecan-1 Polyclonal ANTIBODY



Catalog Number: 10593-1-AP

7 Publications

Basic Information

Catalog Number:
10593-1-AP

Size:
38 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG0823

GenBank Accession Number:
BC008765

GeneID (NCBI):
6382

Full Name:
syndecan 1

Calculated MW:
32.5 kDa

Observed MW:
60-100 kDa

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:800-1:3200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IHC, IP

Species Specificity:

human,mouse,rat

Cited Species:

human, mouse

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Raji cells; HeLa 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 |
|---------|-----------|---------------|-------------|
| Yao Yao | 27634873 | Oncotarget | IHC |
| XWang | 25321193 | Br J Cancer | IHC, IF |
| Yao Yao | 30024656 | J Leukoc Biol | IHC |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

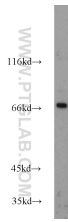
For technical support and original validation data for this product please contact:

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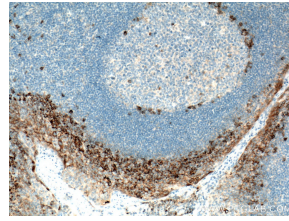
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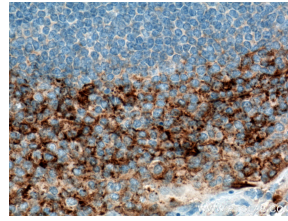
Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 10593-1-AP(CD138/Syndecan-1 antibody) at dilution of 1:600 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 retrieved with Tris-EDTA buffer(pH9).



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 retrieved with Tris-EDTA buffer(pH9).