

## Rabbit anti-Human SDC1/Syndecan 1/CD138 Polyclonal Antibody | anti-SDC1 antibody

SDC1/Syndecan 1/CD138 Rabbit anti-Human Polyclonal Antibody

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA162959</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

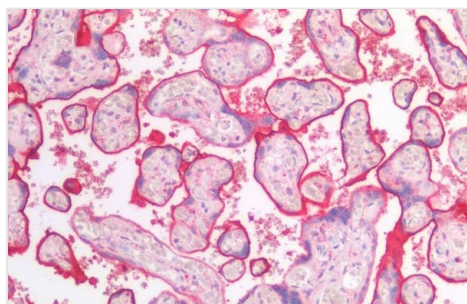
### PRODUCT SYNONYMS

SDC1/Syndecan 1/CD138; Polyclonal Antibody; SDC1/Syndecan 1/CD138 Rabbit anti-Human Polyclonal Antibody; PathPlus SDC1/Syndecan 1/CD138 Antibody; SDC1; CD138 antigen; SDC; SYND1; Syndecan; Syndecan 1; Syndecan-1; CD138; Syndecan proteoglycan 1; anti-SDC1 antibody

### PRODUCT SPECIFICATIONS

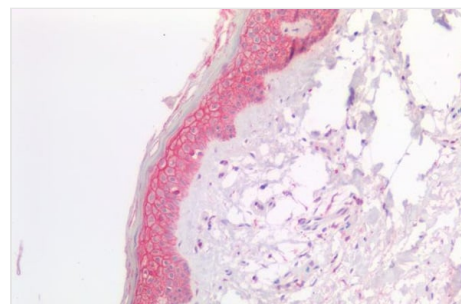
|                                                |                                                                                                                                                           |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                    |
| Reactivity                                     | Human                                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                                |
| Purity/Purification                            | Immunoaffinity purified                                                                                                                                   |
| Form/Format                                    | PBS, 0.1% Sodium Azide                                                                                                                                    |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                                                    |
| Applicable Applications for anti-SDC1 antibody | IHC (Immunohistochemistry)                                                                                                                                |
| Target                                         | Human SDC1/Syndecan 1/CD138                                                                                                                               |
| Immunogen                                      | LP-10563, synthetic peptide                                                                                                                               |
| Conjugation                                    | Unconjugated                                                                                                                                              |
| Preparation and Storage                        | Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles. |

### IMAGES



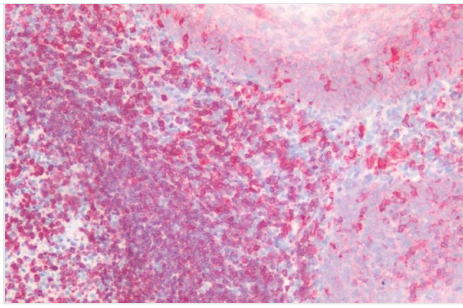
**IHC (Immunohistochemistry)**

SDC1/Syndecan 1/CD138 Antibody-Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)



**IHC (Immunohistochemistry)**

SDC1/Syndecan 1/CD138 Antibody-Human Skin: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)  
SDC1/Syndecan 1/CD138 Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SDC1 antibody | <p>CD138 antibody is an unconjugated rabbit polyclonal antibody to CD138 (SDC1/Syndecan 1) from human. Validated for IHC.</p> <p>Syndecan 1 (SDC1, CD138) is a cell surface heparin sulfate proteoglycan that links the cytoskeleton to the interstitial matrix. It mediates cell binding, cell signaling, cytoskeletal organization, and participates in cell proliferation and cell migration. It is also involved in internalization of the HIV-1 tat protein. Altered SDC1 expression has been detected in several cancers, including multiple myeloma. It is expressed in plasma cells, squamous epithelia of the esophagus and skin, placental trophoblasts, and a variety of epithelial cells including those of the prostate, GI tract and breast.</p> |
| References                                         | Ref: Am J Clin Path 2004, 121(2):254; Adv Exp Med Biol 1992, 313:69                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 29568086                                                                                                           |
| NCBI GeneID                      | 6382                                                                                                               |
| NCBI Accession #                 | NP_002988.3                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_002997                                                                                                          |
| UniProt Accession #              | P18827; Q53QV0; Q546D3; Q96HB7; D6W523; AAB21434; AAB23935                                                         |
| Molecular Weight                 | 32,462 Da                                                                                                          |
| NCBI Official Full Name          | syndecan-1                                                                                                         |
| NCBI Official Synonym Full Names | syndecan 1                                                                                                         |
| NCBI Official Symbol             | SDC1                                                                                                               |
| NCBI Official Synonym Symbols    | SDC; CD138; SYND1; syndecan                                                                                        |
| NCBI Protein Information         | syndecan-1; CD138 antigen; syndecan proteoglycan 1; heparan sulfate proteoglycan fibroblast growth factor receptor |
| UniProt Protein Name             | Syndecan-1                                                                                                         |
| UniProt Gene Name                | <b>SDC1</b>                                                                                                        |
| UniProt Synonym Gene Names       | SDC; SYND1                                                                                                         |
| UniProt Entry Name               | SDC1_HUMAN                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.