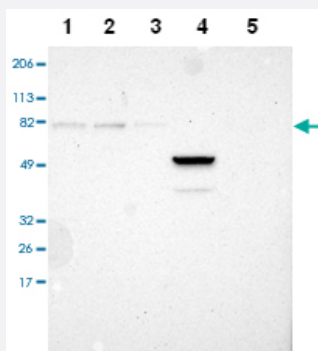


# SP1 polyclonal antibody

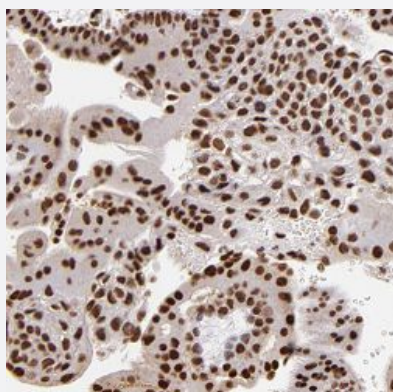
Catalog # PAB28496      Size 100 uL

## Applications



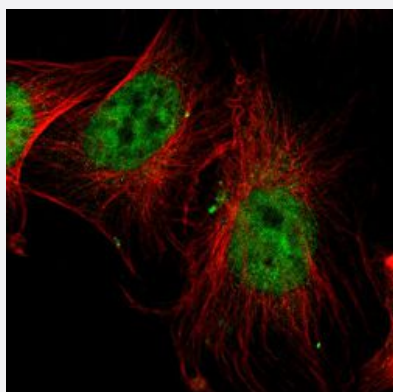
### Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: A-431, Lane 4: Liver, Lane 5: Tonsil with SP1 polyclonal antibody at 1:250-1:500 dilution.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human placenta with SP1 polyclonal antibody (Cat # PAB28496) shows strong nuclear positivity in trophoblastic and decidual cells at 1:200-1:500 dilution.



### Immunofluorescence

Immunofluorescent staining of human cell line U-251MG with SP1 polyclonal antibody (Cat # PAB28496) at 1-4 ug/ml shows positivity in nuclei but not nucleoli.

## Specification

|                     |                                                                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description | Rabbit polyclonal antibody raised against recombinant SP1.                                                                                                            |
| Immunogen           | Recombinant protein corresponding to amino acids of human SP1                                                                                                         |
| Sequence            | QVSWQTLQLQNLQVQNPQAQTITLAPMQGVSLGQTSSSNTTLTPIASAASIPAGTVTVNAAQLSSM<br>PGLQTINLSALGTSGIQVHPIQGLPLAIANAPGDHGAQLGLHGAGGDGIHDDTAGGEEGENSPDAQ<br>PQAGRRTREACTCP            |
| Host                | Rabbit                                                                                                                                                                |
| Reactivity          | Human                                                                                                                                                                 |
| Form                | Liquid                                                                                                                                                                |
| Purification        | Antigen affinity purification                                                                                                                                         |
| Isotype             | IgG                                                                                                                                                                   |
| Recommend Usage     | Immunohistochemistry(1:200-1:500)<br>Western Blot(1:250-1:500)<br>Immunofluorescence(1-4 ug/ml)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)                                                                                                                     |
| Storage Instruction | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                |

## Applications

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## Gene Info — SP1

|                    |                           |
|--------------------|---------------------------|
| Entrez GeneID      | <a href="#">6667</a>      |
| Protein Accession# | <a href="#">G5E9M8</a>    |
| Gene Name          | SP1                       |
| Gene Alias         | -                         |
| Gene Description   | Sp1 transcription factor  |
| Omim ID            | <a href="#">189906</a>    |
| Gene Ontology      | <a href="#">Hyperlink</a> |
| Other Designations | specificity protein 1     |

## Pathway

- [TGF-beta signaling pathway](#)

## Disease

- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)