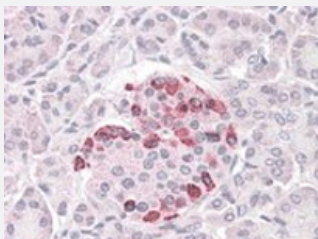


# SOCS4 polyclonal antibody

Catalog # PAB6126      Size 100 ug

## Applications



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

SOCS4 polyclonal antibody (Cat # PAB6126) (3.8 ug/mL) staining of paraffin embedded human pancreas. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

## Specification

|                             |                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Goat polyclonal antibody raised against synthetic peptide of SOCS4.                   |
| <b>Immunogen</b>            | A synthetic peptide corresponding to C-terminus of human SOCS4.                       |
| <b>Sequence</b>             | C-SKVRVLRIDAPEQQ                                                                      |
| <b>Host</b>                 | Goat                                                                                  |
| <b>Theoretical MW (kDa)</b> | 50.6                                                                                  |
| <b>Reactivity</b>           | Human                                                                                 |
| <b>Specificity</b>          | Both variants represent identical protein (NP_543143.1 and NP_955453.1).              |
| <b>Form</b>                 | Liquid                                                                                |
| <b>Purification</b>         | Antigen affinity purification                                                         |
| <b>Concentration</b>        | 0.5 mg/mL                                                                             |
| <b>Recommend Usage</b>      | ELISA (1:32000)<br>The optimal working dilution should be determined by the end user. |

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Storage Buffer      | In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)                                                                  |
| Storage Instruction | 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

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

SOCS4 polyclonal antibody (Cat # PAB6126) (3.8 ug/mL) staining of paraffin embedded human pancreas. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — SOCS4

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">122809</a>                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Protein Accession# | <a href="#">NP_543143.1;NP_955453.1</a>                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Name          | SOCS4                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Alias         | DKFZp686J1568, SOCS7                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Description   | suppressor of cytokine signaling 4                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Summary       | The protein encoded by this gene contains a SH2 domain and a SOCS BOX domain. The protein thus belongs to the suppressor of cytokine signaling (SOCS), also known as STAT-induced STAT inhibitor (SSI), protein family. SOCS family members are known to be cytokine-inducible negative regulators of cytokine signaling. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq] |
| Other Designations | SH2 domain containing SOCS box protein suppressor of cytokine signaling 7                                                                                                                                                                                                                                                                                                                                                                             |

## Publication Reference

- [Suppressors of cytokine signaling 4 and 5 regulate epidermal growth factor receptor signaling.](#)

Kario E, Marmor MD, Adamsky K, Citri A, Amit I, Amariglio N, Rechavi G, Yarden Y.

The Journal of Biological Chemistry 2005 Feb; 280(8):7038.

## Pathway

- [Insulin signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Type II diabetes mellitus](#)

## Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)