10320 Camino Santa Fe, Suite G
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SOCS7 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57770

Specification

SOCS7 Polyclonal Antibody - Product Information

Application	**IHC-P, WB**
Primary Accession	O14512
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**62969**

SOCS7 Polyclonal Antibody - Additional Information

Gene ID 30837

Other Names
Suppressor of cytokine signaling 7, SOCS-7, Nck, Ash and phospholipase C gamma-binding protein, Nck-associated protein 4, NAP-4, SOCS7, NAP4, SOCS6

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

SOCS7 Polyclonal Antibody - Protein Information

Name SOCS7

Synonyms NAP4, SOCS6

Function
Regulates signaling cascades probably through protein ubiquitination and/or sequestration. Functions in insulin signaling and glucose homeostasis through IRS1 ubiquitination and subsequent proteasomal degradation. Inhibits also prolactin, growth hormone and leptin signaling by preventing STAT3 and STAT5 activation, sequestering them in the cytoplasm and reducing their binding to DNA. May be a substrate recognition component of a SCF-like E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (By similarity).

Cellular Location
Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Nucleus. Note=Mostly cytoplasmic, but shuttles between the cytoplasm and the nucleus. Rapidly relocalizes to the nucleus after UV irradiation. Cytoplasmic location depends upon SEPT7 presence

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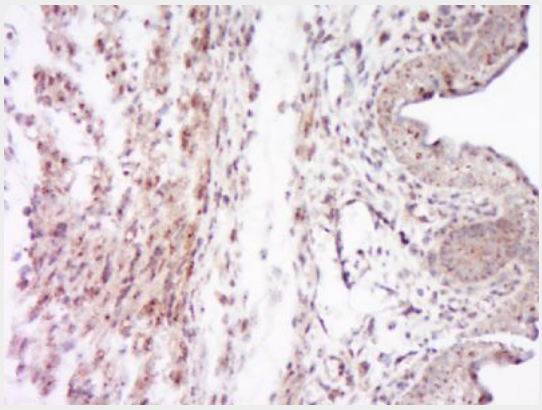
Tissue Location
Expressed in brain and leukocytes. Also in fetal lung fibroblasts and fetal brain.

SOCS7 Polyclonal Antibody - Protocols

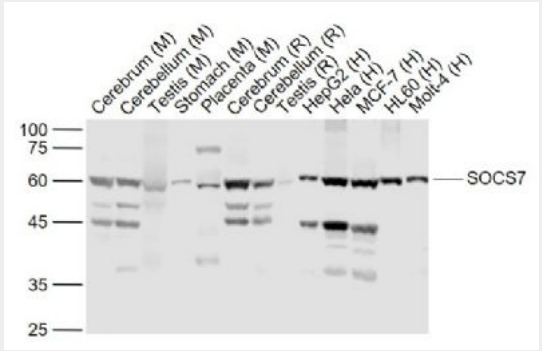
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SOCS7 Polyclonal Antibody - Images



Tissue/cell: Mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-SOCS7 Polyclonal Antibody, Unconjugated(bs-20151R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Sample:
Lane 1: Cerebrum (Mouse) Lysate at 40 ug
Lane 2: Cerebellum (Mouse) Lysate at 40 ug

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Lane 3: Testis (Mouse) Lysate at 40 ug
Lane 4: Stomach (Mouse) Lysate at 40 ug
Lane 5: Placenta (Mouse) Lysate at 40 ug
Lane 6: Cerebrum (Rat) Lysate at 40 ug
Lane 7: Cerebellum (Rat) Lysate at 40 ug
Lane 8: Testis (Rat) Lysate at 40 ug
Lane 9: HepG2 (Human) Cell Lysate at 30 ug
Lane 10: Hela (Human) Cell Lysate at 30 ug
Lane 11: MCF-7 (Human) Cell Lysate at 30 ug
Lane 12: HL60 (Human) Cell Lysate at 30 ug
Lane 13: Molt-4 (Human) Cell Lysate at 30 ug
Primary:
Anti-SOCS7 (bs-20151R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 63 kD
Observed band size: 60 kD