

G18 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51693**Specification**

G18 Antibody - Product Information

Application	WB, E
Primary Accession	O9NSE2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29 KDa

G18 Antibody - Additional Information**Gene ID** 1154**Other Names**

Cytokine-inducible SH2-containing protein, CIS, CIS-1, Protein G18, Suppressor of cytokine signaling, SOCS, CISH, G18

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

G18 Antibody - Protein Information**Name** CISH**Synonyms** G18**Function**

SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. CIS is involved in the negative regulation of cytokines that signal through the JAK-STAT5 pathway such as erythropoietin, prolactin and interleukin 3 (IL3) receptor. Inhibits STAT5 trans-activation by suppressing its tyrosine phosphorylation. May be a substrate-recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (By similarity).

Tissue Location

Expressed in various epithelial tissues. Abundantly expressed in liver and kidney, and to a lesser

extent in lung. The tissue distribution of isoforms 1 and 1B is distinct

G18 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 Cytometry](#)
- [Cell Culture](#)

G18 Antibody - Images

G18 Antibody - Background

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G18 Antibody - References

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Jiang C.,et al.DNA Seq. 11:149-154(2000).
Wei M.-H.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
Yousefi S.,et al.Biochem. Biophys. Res. Commun. 277:401-409(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).