

## **Human SOCS-7/Nck/NAP4 Antibody**

Monoclonal Mouse IgG<sub>2B</sub> Clone # 519106 Catalog Number: MAB5809

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects endogenous human SOCS-7 in Western blots.
Source	Monoclonal Mouse IgG <sub>2B</sub> Clone # 519106
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	E. coli-derived recombinant human SOCS-7 His351-Thr581 Accession # 014512
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

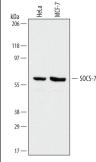
### APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.5 μg/mL	See Below

## DATA

# Western Blot



Detection of Human SOCS-7/Nck/NAP4 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line and MCF-7 human breast cancer cell line. PVDF membrane was probed with 0.5 μg/mL of Human SOCS-7/Nck/NAP4 Monoclonal Antibody (Catalog # MAB5809) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for SOCS-7/Nck/NAP4 at approximately 63 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Paconstitution Paconstitute at 0.5 mg/ml in sterile PBS	FREFARATION AND	STORAGE	
Reconstitution Reconstitute at 0.5 mg/m2 in steme 1 bo.	Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.	

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

\*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

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- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## **BACKGROUND**

Shipping

Suppressor of cytokine signaling 7 (SOCS-7; also Nck, Ash, and phospholipase C gamma-binding protein and Nck-associated protein 4) is a 63 kDa member of the SOCS family of proteins. It regulates signaling cascades through protein ubiquitination and/or sequestration. Human SOCS-7 is 581 amino acids (aa) in length and contains four poly-Pro regions, a poly-Gly region, a poly-Gln region, an SH2 domain, and a SOCS box domain. A second isoform for SOCS-7 has a deletion of aa 1-250 found in isoform 1. Human SOCS-7 is 97% aa identical to mouse SOCS-7. SOCS-7 is constitutively expressed in several tissues, most strongly in the testis and brain.

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