

DESCRIPTION

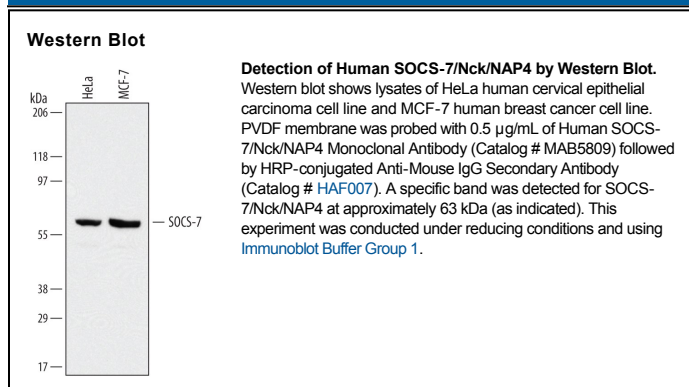
Species Reactivity	Human
Specificity	Detects endogenous human SOCS-7 in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 519106
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SOCS-7 His351-Thr581 Accession # O14512
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 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

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.