

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
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

PRODUCT SPECIFIC NOTICES

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