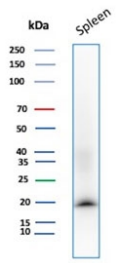
Stathmin 1 Antibody STMN1/8437 / STMN1 Mouse MAb [clone STMN1/8437] (V5505)

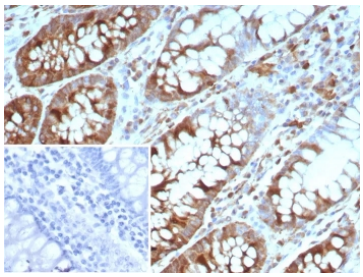
Catalog No.	Formulation	Size
V5505-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5505-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5505SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

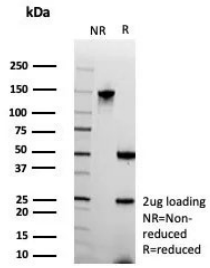
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	STMN1/8437
Purity	Protein A/G affinity
UniProt	P16949
Localization	Cytoplasm, Cytoskeleton
Applications	Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 2-4ug/ml
Limitations	This Stathmin 1 Antibody STMN1/8437 / STMN1 Mouse MAb is available for research use only.



Western blot testing of human spleen tissue with Stathmin 1 Antibody STMN1/8437. Predicted molecular weight ~17 kDa.



IHC staining of FFPE human colon carcinoma tissue with Stathmin 1 antibody (clone STMN1/8437). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Stathmin 1 antibody (clone STMN1/8437) as confirmation of integrity and purity.

Description

Stathmin 1 (Oncoprotein 18, STM1, prosolin or metablastin) is a conserved, Tubulin-associated, intracellular phosphoprotein. Many different phosphorylated forms of the protein are observed, and it is expressed as two different isoforms. Stathmin 1 is considered a critical regulator of microtubulin dynamics and is downregulated by p53. It serves as a transducing protein, via phophorylation, for a variety of cell signaling pathways and is involved in both mitosis and differentiation. It is present in many cancers, including breast carcinomas, and is highly expressed in acute leukemias of different subtypes.

Explore our STMN1 Antibody R31986 for additional research tools targeting stathmin 1, with validation data spanning Western blot, immunohistochemistry, immunofluorescence, and flow cytometry.

Application Notes

Optimal dilution of the Stathmin 1 Antibody STMN1/8437 / STMN1 Mouse MAb should be determined by the researcher.

Immunogen

A recombinant fragment of human STMN1 protein was used as the immunogen for the Stathmin 1 antibody.

Storage

Aliquot the Stathmin 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

Stathmin 1 antibody, Stathmin antibody, OP18 antibody, Metablastin antibody, Prosolin antibody, Leukemia-associated phosphoprotein p18 antibody

Copyright © NSJ Bioreagents. All rights reserved.