STMN1 (Phospho-Ser63) Antibody

Catalog No: #11722

Package Size: #11722-1 50ul #11722-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

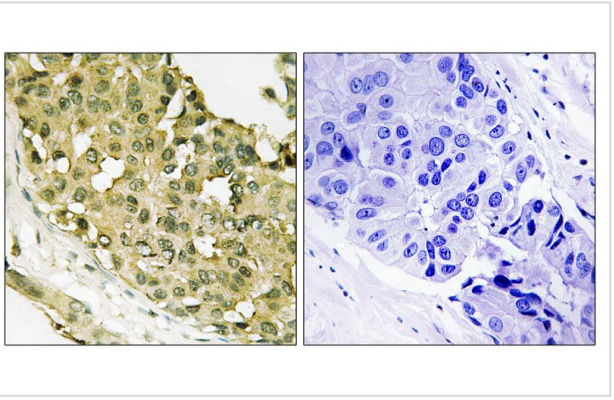
Product Name	STMN1 (Phospho-Ser63) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of STMN1 only when phosphorylated at serine 63.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 63(R-K-S(p)-H-E) derived from Human STMN1.
Target Name	STMN1
Modification	Phospho
Other Names	LAG; LAP18; pp19; PR22; STN1
Accession No.	Swiss-Prot#: P16949; NCBI Gene#: 3925; NCBI Protein#: NP_005554.1.
Uniprot	P16949
GeneID	3925;
SDS-PAGE MW	22kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

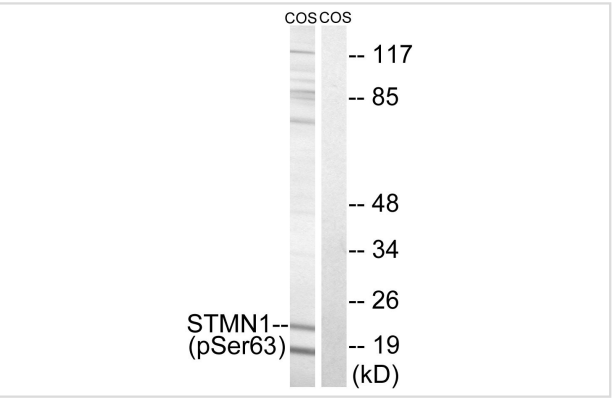
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STMN1 (Phospho-Ser63) antibody #11722 (left)or the same antibody preincubated with blocking peptide (right).



Western blot analysis of extracts from COS cells treated with nocodazole using STMN1 (Phospho-Ser63) Antibody #.The lane on the right is treated with the antigen-specific peptide.

Background

This gene belongs to the stathmin family of genes. It encodes a ubiquitous cytosolic phosphoprotein proposed to function as an intracellular relay integrating regulatory signals of the cellular environment. The encoded protein is involved in the regulation of the microtubule filament system by destabilizing microtubules. It prevents assembly and promotes disassembly of microtubules. Alternatively spliced transcript variants encoding the same protein have been identified.

Zhu X.-X., J. Biol. Chem. 264:14556-14560(1989).

Maucuer A., FEBS Lett. 264:275-278(1990).

Melhem R.F., J. Biol. Chem. 266:17747-17753(1991).

Note: This product is for in vitro research use only