

Stathmin1(Ab-38) Antibody

Catalog No: #21218

Package Size: #21218-1 50ul #21218-2 100ul

Description

Product Name	Stathmin1(Ab-38) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	Hu Rt
Specificity	The antibody detects endogenous level of total Stathmin 1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 36~40 (P-L-S-P-P) derived from Human Stathmin 1.
Conjugates	Unconjugated
Target Name	Stathmin1
Other Names	STMN1; STN1; stathmin
Accession No.	Swiss-Prot: P16949NCBI Protein: NP_001138926.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

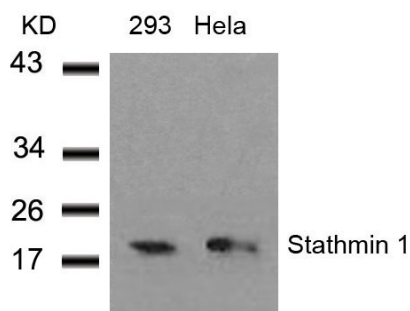
Predicted MW: 19kd

Western blotting: 1:500~1:1000

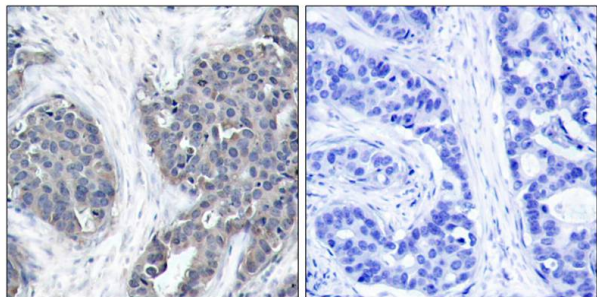
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

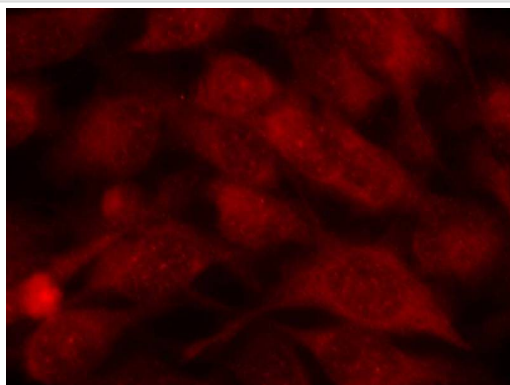
Images



Western blot analysis of extracts from 293 and HeLa cells using Stathmin 1(Ab-38) Antibody #21218.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Stathmin 1(Ab-38) Antibody #21218(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using Stathmin 1(Ab-38) Antibody #21218.

Background

Involved in the regulation of the microtubule (MT) filament system by destabilizing microtubules. Prevents assembly and promotes disassembly of microtubules. Phosphorylation at Ser-16 may be required for axon formation during neurogenesis. Involved in the control of the learned and innate fear

Wang KK, et al. (1991) *Biochem J* 279(Pt 2): 537-544.

Sekimoto T, et al. (2004) *EMBO J* 23(9): 1934-1942.

Doye V, et al. (1992) *Biochem J* 287(Pt 2): 549-554.

Larsson N, et al. (1999) *Mol Cell Biol* 19(3): 2242-2250.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.