

## Stathmin1(Phospho-Ser16) Antibody

Catalog No: #11234

Package Size: #11234-1 50ul #11234-2 100ul

## Description

|                       |                                                                                                                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Stathmin1(Phospho-Ser16) Antibody                                                                                                                                                                                                                                                       |
| Host Species          | Rabbit                                                                                                                                                                                                                                                                                  |
| Clonality             | Polyclonal                                                                                                                                                                                                                                                                              |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.<br>Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications          | WB IHC                                                                                                                                                                                                                                                                                  |
| Species Reactivity    | Hu Ms Rt                                                                                                                                                                                                                                                                                |
| Specificity           | The antibody detects endogenous level of Stathmin 1 only when phosphorylated at serine 16.                                                                                                                                                                                              |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                                                                                                                             |
| Immunogen Description | Peptide sequence around phosphorylation site of serine 16 (R-A-S(p)-G-Q) derived from Human Stathmin 1.                                                                                                                                                                                 |
| Conjugates            | Unconjugated                                                                                                                                                                                                                                                                            |
| Target Name           | Stathmin1                                                                                                                                                                                                                                                                               |
| Modification          | Phospho                                                                                                                                                                                                                                                                                 |
| 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 <sup>2+</sup> and Ca <sup>2+</sup> ), 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.                                                                                                                                                                                               |

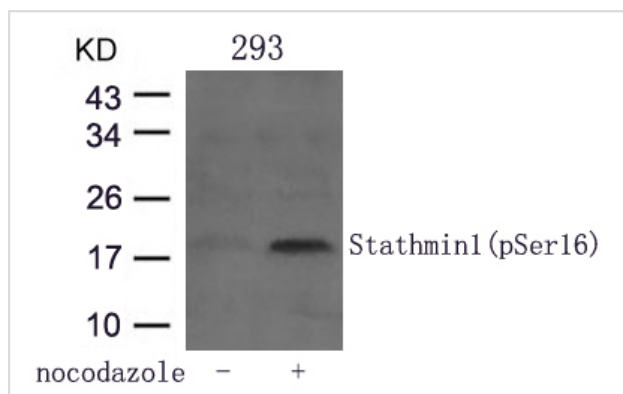
## Application Details

Predicted MW: 19kd

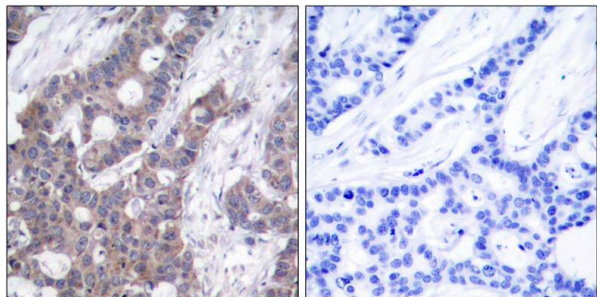
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

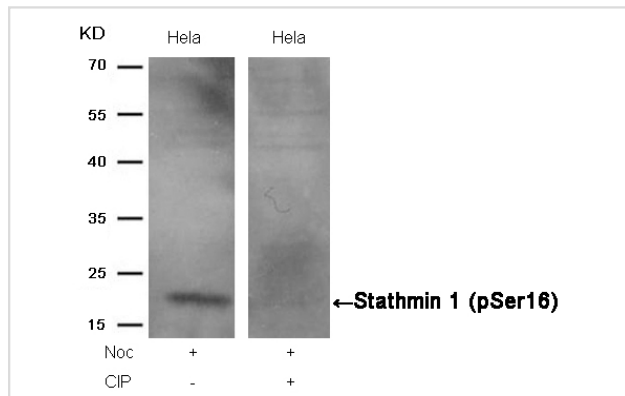
## Images



Western blot analysis of extracts from 293 cells untreated or treated with Nocodazol using Stathmin 1(Phospho-Ser16) Antibody #11234.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Stathmin 1(Phospho-Ser16) Antibody #11234(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of extracts from HeLa cells, treated with Noc or calf intestinal phosphatase (CIP), using Stathmin 1 (Phospho-Ser16) Antibody #11234.

## 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

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

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