

## Stathmin1(Phospho-Ser38) Antibody

Catalog No: #11225



Package Size: #11225-1 50ul #11225-2 100ul

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## Description

|                       |   |
|-----------------------|---|
| Product Name          | Stathmin1(Phospho-Ser38) 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 38.  |
| Immunogen Type        | Peptide-KLH   |
| Immunogen Description | Peptide sequence around phosphorylation site of serine 38 (P-L-S(p)-P-P) derived from Human Stathmin 1.   |
| Target Name           | Stathmin1   |
| Modification          | Phospho   |
| Other Names           | STMN1; STN1; stathmin   |
| Accession No.         | Swiss-Prot: P16949NCBI Protein: NP_001138926.1  |
| Uniprot               | P16949  |
| GeneID                | 3925;   |
| 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.   |

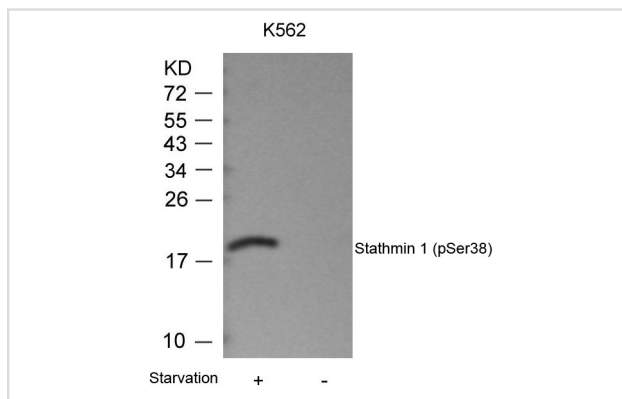
## Application Details

Predicted MW: 19kd

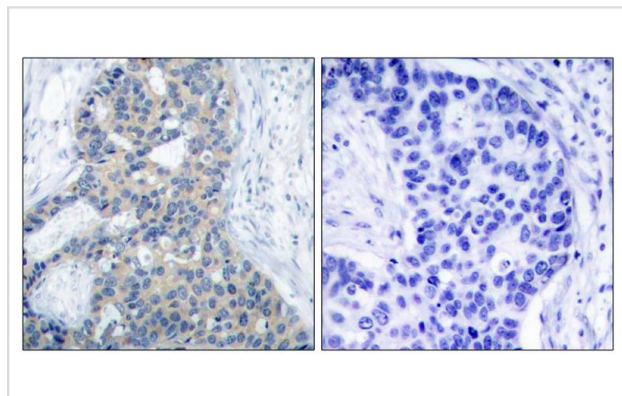
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from K562 cells untreated or treated with starvation using Stathmin 1(Phospho-Ser38) Antibody #11225.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Stathmin 1(Phospho-Ser38) Antibody #11225(left) or the same antibody preincubated with blocking peptide(right).

## 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