

p95/NBS1(Ab-343) Antibody

Catalog No: #21058



Package Size: #21058-1 50ul #21058-2 100ul

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

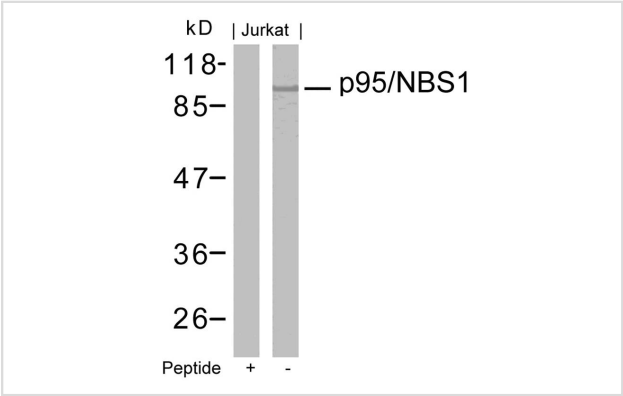
Description

|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | p95/NBS1(Ab-343) 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                                                                                                                                                                        |
| Species Reactivity    | Hu                                                                                                                                                                            |
| Specificity           | The antibody detects endogenous level of total p95/NBS1 protein.                                                                                                              |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description | Peptide sequence around aa.341~345 (S-L-S-Q-G) derived from Human p95/NBS1.                                                                                                   |
| Target Name           | p95/NBS1                                                                                                                                                                      |
| Other Names           | NBN                                                                                                                                                                           |
| Accession No.         | Swiss-Prot: O60934NCBI Protein: NP_002476.2                                                                                                                                   |
| Uniprot               | O60934                                                                                                                                                                        |
| GeneID                | 4683;                                                                                                                                                                         |
| Concentration         | 1.0mg/ml                                                                                                                                                                      |
| Formulation           | Supplied at 1.0mg/mL 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 for long term preservation (recommended). Store at 4°C for short term use.                                                                                     |

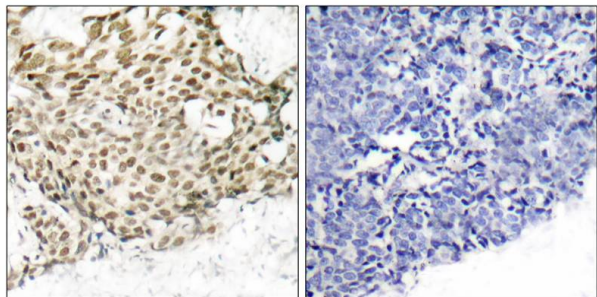
Application Details

Predicted MW: 95kd  
Western blotting: 1:500~1:1000  
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from Jurkat cells using p95/NBS1(Ab-343) Antibody #21058 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p95/NBS1(Ab-343) Antibody #21058(left) or the same antibody preincubated with blocking peptide(right).

## Background

Mutations in p95/NBS1 gene are associated with Nijmegen breakage syndrome, an autosomal recessive chromosomal instability syndrome characterized by microcephaly, growth retardation, immunodeficiency, and cancer predisposition. The encoded protein is a member of the MRE11/RAD50 double-strand break repair complex which consists of 5 proteins. This gene product is thought to be involved in DNA double-strand break repair and DNA damage-induced checkpoint activation.

Hsu HL, et al (2005) *Oncogene*; 24(31): 4956-64.

Falck J, et al. (2005) *Nature*; 434(7033): 605-11.

Buscemi G, et al. (2004) *Oncogene*; 23(46): 7691-700.

Beausoleil SA, et al. (2004) *Proc Natl Acad Sci U S A*; 101(33): 12130-5.

Note: This product is for in vitro research use only