



# NF2 (phospho Ser10) rabbit pAb

Cat No.:ES6364

For research use only

## Overview

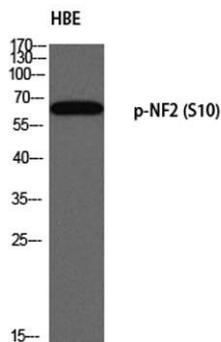
<b>Product Name</b>	NF2 (phospho Ser10) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Merlin around the phosphorylation site of Ser10. AA range:1-50
<b>Specificity</b>	Phospho-NF2 (S10) Polyclonal Antibody detects endogenous levels of NF2 protein only when phosphorylated at S10.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Merlin
<b>Gene Name</b>	NF2
<b>Cellular localization</b>	[Isoform 1]: Cell projection, filopodium membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, ruffle membrane; Peripheral membrane protein; Cytoplasmic side. Nucleus. In a fibroblastic cell line, isoform 1 is found homogeneously distributed.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	65kD
<b>Human Gene ID</b>	4771
<b>Human Swiss-Prot Number</b>	P35240
<b>Alternative Names</b>	NF2; SCH; Merlin; Moesin-ezrin-radixin-like protein; Neurofibromin-2; Schwannomerlin; Schwannomin





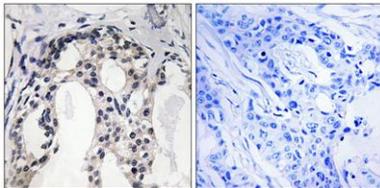
## Background

This gene encodes a protein that is similar to some members of the ERM (ezrin, radixin, moesin) family of proteins that are thought to link cytoskeletal components with proteins in the cell membrane. This gene product has been shown to interact with cell-surface proteins, proteins involved in cytoskeletal dynamics and proteins involved in regulating ion transport. This gene is expressed at high levels during embryonic development; in adults, significant expression is found in Schwann cells, meningeal cells, lens and nerve. Mutations in this gene are associated with neurofibromatosis type II which is characterized by nervous system and skin tumors and ocular abnormalities. Two predominant isoforms and a number of minor isoforms are produced by alternatively spliced transcripts. [provided by RefSeq, Jul 2008],



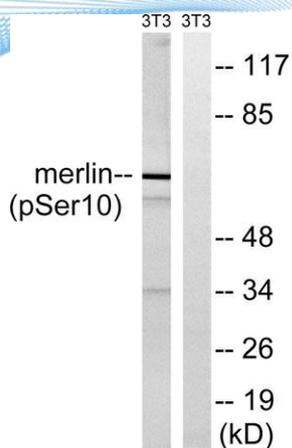
Western blot analysis of HBE using p-NF2 (S10) antibody.  
Antibody was diluted at 1:500

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Merlin (Phospho-Ser10) Antibody. The picture on the right is blocked with the phospho peptide.





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Western blot analysis of lysates from NIH/3T3 cells treated with IFN 2500U/ml 30', using Merlin (Phospho-Ser10) Antibody. The lane on the right is blocked with the phospho peptide.



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