

## Rabbit Anti-NF2 Polyclonal Antibody

CPB-1143RH Rabbit(NF2)

Lot. No. (See product label)

### PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b>    | Rabbit Anti-NF2 Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Antigen Description</b> | Probable regulator of the Hippo/SWH (Sav/Wts/Hpo) signaling pathway, a signaling pathway that plays a pivotal role in tumor suppression by restricting proliferation and promoting apoptosis. Along with WWC1 can synergistically induce the phosphorylation of LATS1 and LATS2 and can probably function in the regulation of the Hippo/SWH (Sav/Wts/Hpo) signaling pathway. May act as a membrane stabilizing protein. May inhibit P13 kinase by binding to AGAP2 and impairing its stimulating activity. |
| <b>specificity</b>         | The antibody detects endogenous level of total Merlin protein.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Target</b>              | NF2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen</b>           | Peptide sequence around aa. 516~520 (R-L-S-M-E) derived from Human Merlin.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Host</b>                | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cross Reactivity</b>    | Human; Mouse; Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>conjugation</b>         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>        | WB,IHC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### PACKAGING

|                |                                                                                                                                                              |
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| <b>Format</b>  | 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. |
| <b>Storage</b> | Store at -20°C/1 year                                                                                                                                        |

### ANTIGEN GENE INFORMATION

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| <b>Gene Name</b>           | <a href="#">NF2 neurofibromin 2 (merlin) [ Homo sapiens ]</a>                                                                                                                                                                                                                  |
| <b>Official Symbol</b>     | NF2                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>            | NF2; neurofibromin 2 (merlin); neurofibromin 2 (bilateral acoustic neuroma); merlin; moesin ezrin radixin like; schwannomin; schwannomerlin; neurofibromin-2; moesin-ezrin-radixin like; moesin-ezrin-radixin-like protein; moesin-ezrin-radixin-like protein; ACN; SCH; BANF; |
| <b>GeneID</b>              | <a href="#">4771</a>                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>         | <a href="#">NM_000268</a>                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>      | <a href="#">NP_000259</a>                                                                                                                                                                                                                                                      |
| <b>MIM</b>                 | <a href="#">607379</a>                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>          | P35240                                                                                                                                                                                                                                                                         |
| <b>Chromosome Location</b> | 22q12.2                                                                                                                                                                                                                                                                        |
| <b>Pathway</b>             | ErbB2/ErbB3 signaling events, organism-specific biosystem;                                                                                                                                                                                                                     |

**Function**                      cytoskeletal protein binding; protein binding;