# Neurofibromin 2 (NF2) Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | Neurofibromin 2 (NF2), Polyclonal Antibody |
| **Full Product Name** | Cy3-Linked Polyclonal Antibody to Neurofibromin 2 (NF2) |
| **Product Gene Name** | anti-NF2 antibody |
| **Product Synonym Names** | ACN; BANF; SCH; Merlin; Bilateral Acoustic Neuroma; Schwannomin; Schwannomerlin; Moesin-Ezrin-Radixin-Like Protein |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse |
| **Concentration** | >=100ug/ml (lot specific) |
| **Matching Pairs** | Unconjugated Antibody: NF2 (MBS2028766)<br>Cy3 Conjugated Antibody: NF2 (MBS2060892) |
| **Matching Pairs** | Cy3 Conjugated Antibody: NF2 (MBS2060892)<br>Immunogen: NF2 (MBS2029944) |
| **Molecular Weight** | 24,515 Da |
| **OMIM** | L11353 mRNA |
| **Supply Chain Verification** | Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire. |
| **Immunogen** | NF2 (Asp30~Arg311) |
| **Conjugation** | Cy3 |
| **Cross Reactivity** | Mouse |
| **Unconjugated Antibody** | The unconjugated antibody version of this item is also available as catalog #MBS2028766 |
| **ISO Certification** | Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory. |
| **Applications Tested/Suitable for anti-NF2 antibody** | Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA) |
| **Related Product Information for anti-NF2 antibody** | MBS2060892 is an antibody targeting NF2. Also known as Cy3-Linked Polyclonal Antibody to Neurofibromin 2 (NF2). Reactive in Human, Mouse. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-NF2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NF2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 119580237 |
| **NCBI GeneID** | 4771 |
| **NCBI Accession #** | EAW59833.1 |

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| **UniProt Secondary Accession #** | O95683; Q8WUJ2; Q969N0; Q969Q3; Q96T30; Q96T31; Q96T32; Q96T33; Q9BTW3; Q9UNG9; Q9UNH3 |
| **UniProt Related Accession #** | P35240 |
| **NCBI Official Full Name** | neurofibromin 2 (bilateral acoustic neuroma), isoform CRA_l |
| **NCBI Official Synonym Full Names** | neurofibromin 2 |
| **NCBI Official Symbol** | NF2 |
| **NCBI Official Synonym Symbols** | ACN; SCH; BANF |
| **UniProt Protein Name** | Merlin |
| **UniProt Synonym Protein Names** | Moesin-ezrin-radixin-like protein; Neurofibromin-2; Schwannomerlin; Schwannomin |
| **Protein Family** | Merlin |
| **UniProt Gene Name** | NF2 |
| **UniProt Synonym Gene Names** | SCH |
| **NCBI Protein Information** | merlin |
| **NCBI Summary for NF2** | 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] |
| **UniProt Comments for NF2** | Merlin: a moesin-ezrin-radizin-like protein. Interacts with cell-surface proteins, proteins involved in cytoskeletal dynamics and proteins involved in regulating ion transport. Expressed at high levels during embryonic development; in adults, significant expression is found in Schwann cells, meningeal cells, lens and nerve. Mutations are associated with neurofibromatosis type II. Two predominant isoforms and eight minor isoforms are produced by alternatively spliced transcripts.<br><br>Protein type: Cytoskeletal; Motility/polarity/chemotaxis; Tumor suppressor<br><br>Chromosomal Location of Human Ortholog: 22q12.2<br><br>Cellular Component: cytoplasm; cytoskeleton; early endosome; membrane; nucleolus; nucleus; perinuclear region of cytoplasm; plasma membrane<br><br>Molecular Function: protein binding<br><br>Biological Process: actin cytoskeleton organization and biogenesis; negative regulation of cell migration; negative regulation of cell proliferation; negative regulation of cell-cell adhesion; negative regulation of cell-matrix adhesion; negative regulation of DNA replication; negative regulation of JAK-STAT cascade; negative regulation of tyrosine phosphorylation of Stat3 protein; negative regulation of tyrosine phosphorylation of Stat5 protein; positive regulation of stress fiber formation; Schwann cell proliferation<br><br>Disease: Meningioma, Familial, Susceptibility To; Neurofibromatosis, Type Ii; Schwannomatosis 1 |
| **Research Articles on NF2** | **1.** The mortality of patients with NF2 diagnosed in more recent decades was lower than that of patients diagnosed earlier. |
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