

Datasheet

NF2 (phospho S518) polyclonal antibody

Catalog Number: PAB10071

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic phosphopeptide of NF2.

Immunogen: Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S518 of human NF2.

Host: Rabbit

Reactivity: Human, Mouse

Applications: ELISA, IHC, WB-Ce

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This phospho-specific polyclonal antibody is specific to phosphorylated pS518 of human NF2 (neurofibromatosis 2 gene product). Reactivity with non-phosphorylated human NF2 (Merlin) is minimal by ELISA.

Form: Liquid

Recommend Usage: ELISA (1:1200000)

Western Blot (1:500- 1:2000)

The optimal working dilution should be determined by the end user.

Storage Buffer: In 20 mM KH₂PO₄, 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4771

Gene Symbol: NF2

Gene Alias: ACN, BANF, SCH

Gene Summary: 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]

References:

1. Expression of the neurofibromatosis 2 tumor suppressor gene product, merlin, in Schwann cells. Scherer SS, Gutmann DH. J Neurosci Res. 1996 Dec 1;46(5):595-605.
2. Expression of the neurofibromatosis 2 (NF2) gene isoforms during rat embryonic development. Gutmann DH, Wright DE, Geist RT, Snider WD. Hum Mol Genet. 1995 Mar;4(3):471-8.