

Phospho-NF1(S2515) Antibody Blocking peptide
Synthetic peptide
Catalog # BP3327a**Specification**

Phospho-NF1(S2515) Antibody Blocking peptide - Product InformationPrimary Accession [P21359](#)**Phospho-NF1(S2515) Antibody Blocking peptide - Additional Information****Gene ID** 4763**Other Names**

Neurofibromin, Neurofibromatosis-related protein NF-1, Neurofibromin truncated, NF1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP3327a](/product/products/AP3327a) was selected from the region of human Phospho-NF1-S2515. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Phospho-NF1(S2515) Antibody Blocking peptide - Protein Information**Name** NF1**Function**

Stimulates the GTPase activity of Ras. NF1 shows greater affinity for Ras GAP, but lower specific activity. May be a regulator of Ras activity.

Cellular Location

Nucleus. Nucleus, nucleolus. Cell membrane

Tissue Location

Detected in brain, peripheral nerve, lung, colon and muscle.

Phospho-NF1(S2515) Antibody Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

Phospho-NF1(S2515) Antibody Blocking peptide - Images

Phospho-NF1(S2515) Antibody Blocking peptide - Background

NF1 encodes the protein neurofibromin, which appears to be a negative regulator of the ras signal transduction pathway. Mutations linked to neurofibromatosis type 1 led to the identification of NF1. In addition to type 1 neurofibromatosis, mutations in NF1 can also lead to juvenile myelomonocytic leukemia.

Phospho-NF1(S2515) Antibody Blocking peptide - References

Zhu, C., et al., J. Biol. Chem. 279(49):50874-50885 (2004). Zou, M.X., et al., Oncogene 23(2):330-339 (2004). Lasota, J., et al., Lab. Invest. 83(9):1361-1371 (2003). Baralle, D., et al., BMC Dermatol. 119(1):1-8 (2003). Wang, Q., et al., Hum. Genet. 112(2):117-123 (2003).