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FNTA Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP18056a

Specification

FNTA Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P49354

FNTA Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 2339

Other Names
Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha, CAAX farnesyltransferase subunit alpha, FTase-alpha, Ras proteins prenyltransferase subunit alpha, Type I protein geranyl-geranyltransferase subunit alpha, GGTase-I-alpha, FNTA

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.

FNTA Antibody (N-term) Blocking Peptide - Protein Information

Name FNTA

Function
Essential subunit of both the farnesyltransferase and the geranylgeranyltransferase complex. Contributes to the transfer of a farnesyl or geranylgeranyl moiety from farnesyl or geranylgeranyl diphosphate to a cysteine at the fourth position from the C-terminus of several proteins having the C-terminal sequence Cys-aliphatic- aliphatic-X. May positively regulate neuromuscular junction development downstream of MUSK via its function in RAC1 prenylation and activation.

FNTA Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

FNTA Antibody (N-term) Blocking Peptide - Images

FNTA Antibody (N-term) Blocking Peptide - Background

Prenyltransferases can attach either a farnesyl group or ageranylgeranyl group in thioether linkage to the cysteine residueof proteins with a C-terminal CAAX box. CAAXgeranylgeranyltransferase and CAAX farnesyltransferase areheterodimers that share the same alpha subunit but have differentbeta subunits. This gene encodes the alpha subunit of thesetransferases. Alternative splicing results in multiple transcriptvariants. Related pseudogenes have been identified on chromosomes11 and 13.

FNTA Antibody (N-term) Blocking Peptide - References

Lipkin, S.M., et al. Cancer Prev Res (Phila Pa) 3(5):597-603(2010)Fontaine-Bisson, B., et al. J. Mol. Med. 88(2):193-201(2010)Zhou, J., et al. J. Biol. Chem. 284(15):9648-9655(2009)Veluthakal, R., et al. Diabetes 56(1):204-210(2007)Armstrong, S.A., et al. J. Biol. Chem. 270(14):7864-7868(1995)