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SPIN90 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP11870c

Specification

SPIN90 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q9NZQ3

SPIN90 Antibody (Center) Blocking peptide - Additional Information

Gene ID 51517

Other Names
NCK-interacting protein with SH3 domain, 54 kDa VacA-interacting protein, 54 kDa vimentin-interacting protein, VIP54, 90 kDa SH3 protein interacting with Nck, AF3p21, Dia-interacting protein 1, DIP-1, Diaphanous protein-interacting protein, SH3 adapter protein SPIN90, WASP-interacting SH3-domain protein, WISH, Wiskott-Aldrich syndrome protein-interacting protein, NCKIPSD, AF3P21, SPIN90

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.

SPIN90 Antibody (Center) Blocking peptide - Protein Information

Name NCKIPSD

Synonyms AF3P21, SPIN90

Function
Has an important role in stress fiber formation induced by active diaphanous protein homolog 1 (DRF1). Induces microspike formation, in vivo (By similarity). In vitro, stimulates N-WASP-induced ARP2/3 complex activation in the absence of CDC42 (By similarity). May play an important role in the maintenance of sarcomeres and/or in the assembly of myofibrils into sarcomeres. Implicated in regulation of actin polymerization and cell adhesion. Plays a role in angiogenesis.

Cellular Location
Nucleus. Note=Colocalizes with DRF1 at membrane ruffles, and with Nck at Z-disks in mature cardiac myocytes

Tissue Location
Highest expression in heart, brain, skeletal muscle, kidney and liver. Lower levels in placenta,

lung, small intestine and leukocytes. Weak expression in colon, thymus and spleen

SPIN90 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

SPIN90 Antibody (Center) Blocking peptide - Images

SPIN90 Antibody (Center) Blocking peptide - Background

The protein encoded by this gene is localized exclusivelyin the cell nucleus. It plays a role in signal transduction, andmay function in the maintenance of sarcomeres and in the assemblyof myofibrils into sarcomeres. It also plays an important role instress fiber formation. The gene is involved in therapy-relatedleukemia by a chromosomal translocation t(3;11)(p21;q23) thatinvolves this gene and the myeloid/lymphoid leukemia gene.Alternative splicing occurs in this locus and two transcriptvariants encoding distinct isoforms have been identified. [providedby RefSeq].

SPIN90 Antibody (Center) Blocking peptide - References

Teodorof, C., et al. Exp. Cell Res. 315(14):2410-2419(2009)Voss, M., et al. BMC Immunol. 10, 53 (2009) :Ronty, M., et al. Exp. Cell Res. 313(12):2575-2585(2007)Wu, C., et al. Proteomics 7(11):1775-1785(2007)Eisenmann, K.M., et al. Curr. Biol. 17(7):579-591(2007)