



SPN90 Polyclonal Antibody

Catalog No	YP-Ab-06167
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	NCKIPSD AF3P21 SPIN90
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SPN90 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AF3P21;Dia interacting protein 1;DIP;DIP 1;DIP1;NCKIPSD;ORF1;SH3 adapter protein SPIN90;SPIN90;VIP54;WASLBP;WISH;SPN90;NCKIPSD AF3P21 SPIN90;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) (
Observed Band	80 kDa
Calculated Molecular Weight	715 aa, 78 kDa
Cell Pathway	Nucleus. Colocalizes with DRF1 at membrane ruffles, and with Nck at Z-disks in mature cardiac myocytes.
Tissue Specificity	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.
Function	disease:A chromosomal aberration involving NCKIPSD/AF3p21 is found in therapy-related leukemia. Translocation t(3;11)(p21;q23) with MLL.,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.,similarity:Contains 1 SH3 domain.,subcellular location:Colocalizes with DRF1 at membrane ruffles, and with Nck at Z-disks in mature cardiac myocytes.,subunit:Associates with the intermediate filaments, vimentin and desmin. Binds the first and third SH3 domains of NCK. Binds the proline-rich domains of N-WASP t

Background

The protein encoded by this gene is localized exclusively in the cell nucleus. It plays a role in signal transduction, and may function in the maintenance of sarcomeres and in the assembly of myofibrils into sarcomeres. It also plays an important role in stress fiber formation. The gene is involved in therapy-related leukemia by a chromosomal translocation t(3;11)(p21;q23) that involves this gene and the myeloid/lymphoid leukemia gene. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images