

SPN90 Rabbit pAb

CatalogNo: YN1297

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 79kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from part region of human protein

Specificity

SPN90 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name

NCKIPSD AF3P21 SPIN90

Protein Name	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)		
	Organism	Gene ID	UniProt ID
	Human	51517;	Q9NZQ3;
	Mouse		Q9ESJ4;
Cellular Localization	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 through its SH3 domain (By similarity). Similarly, binds diaphanous protein homolog 1 (DRF1). Binds the SH3 domains of GRB2 through its proline-rich domains.,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.,		

| Validation Data

| Contact information

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