



LNK3 (P-13): sc-99509

BACKGROUND

The eukaryotic PDZ domain is a multifunctional protein-protein interacting motif that is found in a variety of proteins and is involved in both the clustering of signaling molecules and the organization of protein networks. LNK3 (ligand of Numb protein X 3), also known as PDZRN3 (PDZ domain containing ring finger 3) or SEMCAP3 (semaphorin cytoplasmic domain-associated protein 3), is a 1,066 amino acid protein that contains one TRAF-type zinc finger, one RING-type zinc finger and two PDZ domains. Expressed in a variety of tissues, LNK3 interacts with neuroligin 1 and ephrin-B2 and may exhibit tumor suppressive activity in ovarian serous papillary tumors. Multiple isoforms of LNK3 exist due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PDZRN3 (human) mapping to 3p13; Pdzn3 (mouse) mapping to 6 D3.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

SOURCE

LNK3 (P-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of LNK3 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-99509 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

LNK3 (P-13) is recommended for detection of LNK3 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with LNK1, LNK2 or LNK4.

Suitable for use as control antibody for LNK3 siRNA (h): sc-78265, LNK3 siRNA (m): sc-146770, LNK3 shRNA Plasmid (h): sc-78265-SH, LNK3 shRNA Plasmid (m): sc-146770-SH, LNK3 shRNA (h) Lentiviral Particles: sc-78265-V and LNK3 shRNA (m) Lentiviral Particles: sc-146770-V.

Molecular Weight of LNK3: 120 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

For research use only, not for use in diagnostic procedures.