

# LNK3 (E-17): sc-99507

## 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. LNX3 (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, LNX3 interacts with neuroligin 1 and ephrin-B2 and may exhibit tumor suppressive activity in ovarian serous papillary tumors. Multiple isoforms of LNX3 exist due to alternative splicing events.

## REFERENCES

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2. Santin, A.D., Zhan, F., Bellone, S., Palmieri, M., Cane, S., Bignotti, E., Anfossi, S., Gokden, M., Dunn, D., Roman, J.J., O'Brien, T.J., Tian, E., Cannon, M.J., Shaughnessy, J. and Pecorelli, S. 2004. Gene expression profiles in primary ovarian serous papillary tumors and normal ovarian epithelium: identification of candidate molecular markers for ovarian cancer diagnosis and therapy. Int. J. Cancer 112: 14-25.
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5. Online Mendelian Inheritance in Man, OMIM™. 2005. Johns Hopkins University, Baltimore, MD. MIM Number: 609729. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>

## CHROMOSOMAL LOCATION

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

## SOURCE

LNK3 (E-17) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of LNX3 of human origin.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.

## 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-99507 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

LNK3 (E-17) is recommended for detection of LNX3 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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 LNX1, LNX2 or LNX4.

LNK3 (E-17) is also recommended for detection of LNX3 in additional species, including canine and bovine.

Suitable for use as control antibody for LNX3 siRNA (h): sc-78265, LNX3 siRNA (m): sc-146770, LNX3 shRNA Plasmid (h): sc-78265-SH, LNX3 shRNA Plasmid (m): sc-146770-SH, LNX3 shRNA (h) Lentiviral Particles: sc-78265-V and LNX3 shRNA (m) Lentiviral Particles: sc-146770-V.

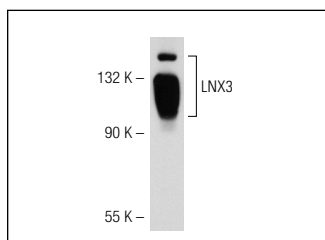
Molecular Weight of LNX3: 120 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

## 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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

## DATA



LNK3 (E-17): sc-99507. Western blot analysis of LNX3 expression in HeLa whole cell lysate.

## RESEARCH USE

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