

LNx2 (C-19): sc-48027

BACKGROUND

LNx2 (LIGAND OF NUMB PROTEIN X2, PDZ DOMAIN-CONTAINING RING FINGER PROTEIN 1, PDZRN1), which interacts with mammalian Numb and Numblike, contains a RING finger domain, followed by a motif similar to a PTB-binding motif and 4 PDZ domains. LNx2 and LNx1 (a proposed relative) are multimodular proteins that bind Numb, a cell fate determinant, through their NPXY motifs. Studies may suggest that LNx proteins act as molecular scaffolds that promote the aggregation of unrelated, interacting proteins, such as Numb, to definitive subcellular sites. The LNx2 gene maps to chromosome 13q12.2 based on an alignment of the LNx2 sequence with the genomic sequence. LNx proteins may form large networks by homomeric binding, and their expression patterns overlap with those of the Numb proteins. Furthermore, studies also suggest that the oligomerization of LNx2 and Numb binding occurs simultaneously.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LNx2 (human) mapping to 13q12.2; Lnx2 (mouse) mapping to 5 G3.

SOURCE

LNx2 (C-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of LNx2 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-48027 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

LNx2 (C-19) is recommended for detection of LNx2 of mouse 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).

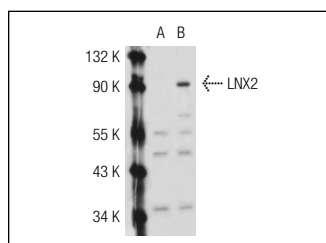
LNx2 (C-19) is also recommended for detection of LNx2 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for LNx2 siRNA (h): sc-60958, LNx2 siRNA (m): sc-60959, LNx2 shRNA Plasmid (h): sc-60958-SH, LNx2 shRNA Plasmid (m): sc-60959-SH, LNx2 shRNA (h) Lentiviral Particles: sc-60958-V and LNx2 shRNA (m) Lentiviral Particles: sc-60959-V.

Molecular Weight of LNx2: 76 kDa.

Positive Controls: LNx2 (h): 293T Lysate: sc-115370.

DATA



LNx2 (C-19): sc-48027. Western blot analysis of LNx2 expression in non-transfected: sc-117752 (A) and human LNx2 transfected: sc-115370 (B) 293T whole cell lysates.

STORAGE

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

RESEARCH USE

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

PROTOCOLS

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

MONOS
Satisfaction
Guaranteed

Try **LNx2 (B-3): sc-398156** or **LNx2 (D-3): sc-398157**, our highly recommended monoclonal alternatives to LNx2 (C-19).