# LNX2 (H-42): sc-134512



The Power to Question

## **BACKGROUND**

LNX2 (ligand of NUMB protein X2, PDZ domain-containing RING finger protein 1, PDZRN1), which interacts with mammalian NUMB and NumbL, contains a RING finger domain, followed by a motif similar to a PTB-binding motif and four 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 (H-42) is a rabbit polyclonal antibody raised against amino acids 207-248 mapping within an internal region of LNX2 of human origin.

#### **PRODUCT**

Each vial contains 200  $\mu g$  IgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

## **APPLICATIONS**

LNX2 (H-42) is recommended for detection of LNX2 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).

LNX2 (H-42) is also recommended for detection of LNX2 in additional species, including equine, canine, bovine and porcine.

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.

## **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.

## **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.



Try LNX2 (B-3): sc-398156 or LNX2 (D-3): sc-398157, our highly recommended monoclonal alternatives to LNX2 (H-42).

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