

## **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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# EB12967 - Goat Anti-Nsg2 (mouse, C terminus) Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

Principal Names: Nsg2, neuron specific gene family member 2, protein 8.5, protein p19

Official Symbol: Nsg2

Accession Number(s): NP\_032767.1 Non-Human GenelD(s): 18197 (mouse)

Important Comments: Reported variants represent identical protein: NP\_001277610.1,

NP\_001277609.1, NP\_032767.1

## **Immunogen**

Peptide with sequence C-HEPKPPKTQGH, from the C Terminus of the protein sequence according to NP\_032767.1.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

# **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 19kDa band observed in Mouse fetal Brain lysates (calculated MW of 19.0kDa according to NP\_032767.1). Recommended concentration: 0.1-0.3μg/ml. Primary incubation was 1 hour. This antibody has been successfully used in WB on Rat: Chan Choo Yap et al. (2017) PMID: 28874679.

**Immunocytochemistry:** This antibody has been successfully used in ICC on Rat: Chan Choo Yap et al. (2022) PMID: 35474277.

## **Species Reactivity**

Tested: Mouse, Rat

Expected from sequence similarity: Mouse

## **Specific References**

## This antibody has been successfully used in ICC on Rat:

Chan Choo Yap, Laura Digilio, Lloyd P McMahon, Tuanlao Wang, Bettina Winckler Dynein is required for Rab7-dependent endosome maturation, retrograde dendritic transport, and degradation

J Neurosci. 2022 Apr 26; JN-RM-2530-21.

PMID: 35474277

## This antibody has been successfully used in Western blot on Rat:

Chan Choo Yap, Laura Digilio, Lloyd McMahon & Bettina Winckler

The endosomal neuronal proteins Nsg1/NEEP21 and Nsg2/P19 are itinerant, not resident proteins of dendritic endosomes.

Scientific Reports, 7: 10481, DOI: 10.1038/s41598-017-07667-x (2017)

PMID: 28874679

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB12967 (0.1μg/ml) staining of Mouse fetal Brain lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.