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**Research Use Only. Not for
diagnostic or therapeutic use.**

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 GeneID(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

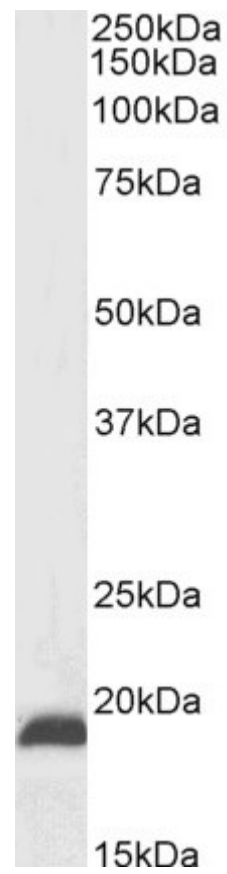
This antibody has been successfully used in Western blot on Rat:

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



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