

## UK Office

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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.