

Email: <a href="mailto:customerservice@vectorlabs.com">customerservice@vectorlabs.com</a>

Telephone: (650) 697-3600

## **GOAT ANTI-NSG1 / NEEP21 ANTIBODY**

**SKU:** EB11637

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250kDa 150kDa 100kDa 75kDa

50kDa

37kDa

25kDa

20kDa

15kDa



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## **SPECIFICATIONS**

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

**Unit Size** 100 µg

Storage

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

Synonym /

PEP1|Nsg1|neuron-specific protein family member 1|neuron specific gene family member

Alias 1|Neep21|Bsmrb|brain specific mRNA b|brain neuron cytoplasmic protein 1/2 Names

<strong>Immunocytochemistry:</strong> Primary DIV9 cells from Hippocampus E18 Rat embryos, stained for Usage neuronal marker MAP2 in blue and for glial marker GFAP in green showed exclusive labelling of EB11637 (red)

Summary in the neurons only. Recommended concentration: 1-5µg/ml.

Accession

NP\_077042.2 ID

**Blocking** 

EBP11637 **Peptide** 

Peptide with sequence EKGTKQPLLEDGFD-C, from the N Terminus of the protein sequence according to

**Immunogen** NP\_077042.2.

**Peptide** 

EKGTKQPLLEDGFD-C Sequence

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography

Method using the immunizing peptide.

**Shipping** 

Refrigerated Instructions

**Predicted** 

Human, Mouse, Rat, Cow **Species** 

Reactive

Mouse, Rat **Species** 

Human

27065 Gene ID

Mouse Gene ID

18196

Rat Gene ID 25247

**Product** 

https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite\_medium.png

Grade **ELISA** 

Detection Antibody detection limit dilution 1:128000.

Limit

Blot

**Type** 

Western Approx 22kDa band observed in Mouse fetal Brain lysates (calculated MW of 20.9kDa according to

NP\_035072.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

**Application** 

Pep-ELISA, WB, ICC





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## SELECTED REFERENCES

[{"pmid": 30680309, "intro": "This antibody has been successfully used in ICC on Human:", "title": "Neuron-Specific Gene 2 (NSG2) encodes an AMPA receptor interacting protein that modulates excitatory neurotransmission", "author": "Praveen Chander, Matthew J. Kennedy, Bettina Winckler and Jason P. Weick", "journal": "eNeuro 4 January 2019, ENEURO.0292-18.2018; DOI:https://doi.org/10.1523/ENEURO.0292-18.2018"}, {"pmid": 28874679, "intro": "This antibody has been successfully used in ICC on Rat:", "title": "The endosomal neuronal proteins Nsg1/NEEP21 and Nsg2/P19 are itinerant, not resident proteins of dendritic endosomes.", "author": "Chan Choo Yap, Laura Digilio, Lloyd McMahon & Bettina Winckler", "journal": "Scientific Reports, 7: 10481, DOI: 10.1038/s41598-017-07667-x (2017)"}, {"pmid": 26465886, "intro": "This antibody has been successfully used in ICC on Rat:", "title": "Neurons in Rat Cultures: Preponderance of Single- and Double-Positive Cells, and Cell Type-Specific Expression of Neuron-Specific Gene Family Members, Nsg-1\r\n(NEEP21) and Nsg-2 (P19).", "author": "Digilio L, Yap CC, Winckler B", "journal": "PLoS One. 2015 Oct 14;10(10):e0140010."}]

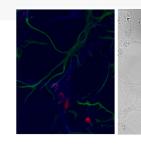
## **GALLERY IMAGES**





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