

## GOAT ANTI-NSG1 / NEEP21 ANTIBODY

**SKU:** EB11637

250kDa  
150kDa  
100kDa  
75kDa

50kDa

37kDa

25kDa

20kDa

15kDa

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## SPECIFICATIONS

<b>Formulation</b>	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
<b>Unit Size</b>	100 µg
<b>Storage</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Instructions</b>	
<b>Synonym /</b>	PEP1 Nsg1 neuron-specific protein family member 1 neuron specific gene family member
<b>Alias</b>	1 Neep21 Bsmrb brain specific mRNA b brain neuron cytoplasmic protein 1/2
<b>Names</b>	
<b>Usage Summary</b>	<strong>Immunocytochemistry:</strong> Primary DIV9 cells from Hippocampus E18 Rat embryos, stained for neuronal marker MAP2 in blue and for glial marker GFAP in green showed exclusive labelling of EB11637 (red) in the neurons only. Recommended concentration: 1-5µg/ml.
<b>Accession ID</b>	NP_077042.2
<b>Blocking Peptide</b>	EBP11637
<b>Immunogen</b>	Peptide with sequence EKGTKQPLLEDGFD-C, from the N Terminus of the protein sequence according to NP_077042.2.
<b>Peptide Sequence</b>	EKGTKQPLLEDGFD-C
<b>Purification Method</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Shipping Instructions</b>	Refrigerated
<b>Predicted Species</b>	Human, Mouse, Rat, Cow
<b>Reactive Species</b>	Mouse, Rat
<b>Human Gene ID</b>	27065
<b>Mouse Gene ID</b>	18196
<b>Rat Gene ID</b>	25247
<b>Product Grade</b>	<a href="https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png">https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png</a>
<b>ELISA Detection Limit</b>	Antibody detection limit dilution 1:128000.
<b>Western Blot</b>	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.
<b>Application Type</b>	Pep-ELISA, WB, ICC

## 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."}]

## DOCUMENTS

- [Data Sheet](#)

## GALLERY IMAGES

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