

## Goat anti-Nsg1 / Neep21 Antibody

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| <b>Item Number</b>     | dAP-2670   |
| <b>Target Molecule</b> | Principle Name: Nsg1 / Neep21; Official Symbol: Nsg1; All Names and Symbols: Nsg1; neuron specific gene family member 1; Bsmrb; Neep21; PEP1; brain neuron cytoplasmic protein 1/2; brain specific mRNA b; neuron-specific protein family member 1; Accession Number (s): NP_077042.2; Human Gene ID(s): 27065; Non-Human GeneID(s): 18196 (mouse) 25247 (rat) |
| <b>Immunogen</b>       | EKGTKQPLLEDGFD, is from N Terminus   |
| <b>Applications</b>    | Pep ELISA, WB, ICC<br>Species Tested: Mouse, Rat   |
| <b>Purification</b>    | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.  |
| <b>Supplied As</b>     | lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.<br>Aliquot and store at -20°C. Minimize freezing and thawing.   |
| <b>Peptide ELISA</b>   | Peptide ELISA: antibody detection limit dilution 1 to 128000.  |
| <b>Western Blot</b>    | Western Blot: 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>IHC</b>             |  |
| <b>Reference</b>       | Reference(s): Yap CC, Wisco D, Kujala P, Lasiecka ZM, Cannon JT, Chang MC, Hirling H, Klumperman J, Winckler B. The somatodendritic endosomal regulator NEEP21 facilitates axonal targeting of L1/NgCAM. J Cell Biol. 2008 Feb 25;180(4):827-42..PMID: 18299352->  |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**