



Datasheet for ABIN5539461
anti-NSG1 antibody (N-Term)



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2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	NSG1 (D4S234E)
Binding Specificity:	N-Term
Reactivity:	Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This NSG1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Purpose:	Nsg1 / Neep21
Sequence:	EKGTKQPLLE DGFD
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	NSG1 (D4S234E)
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Target Details

Alternative Name:	Nsg1 (D4S234E Products)
Background:	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
Gene ID:	27065, 18196, 25247
NCBI Accession:	NP_077042

Application Details

Application Notes:	Western Blot: Approx 22 kDa band observed in Mouse fetal Brain lysates (calculated MW of 20.9 kDa according to NP_035072.2). Recommended concentration: 0.1-0.3 µg/mL. Primary incubation was 1 hour. Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	Immunocytochemistry: 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
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

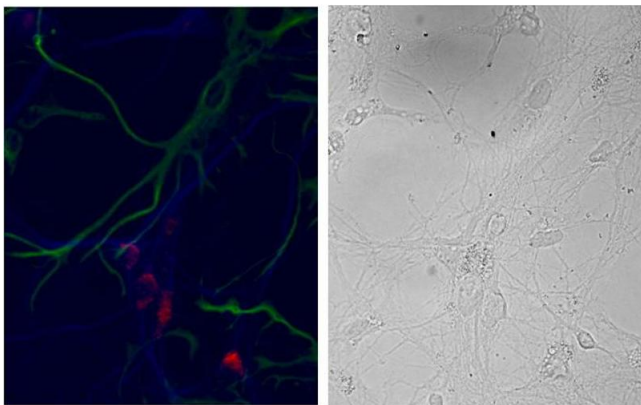
Product cited in: Digilio, Yap, Winckler et al.: "Ctip2-, Satb2-, Prox1-, and GAD65-Expressing Neurons in Rat Cultures: Preponderance of Single- and Double-Positive Cells, and Cell Type-Specific Expression of Neuron-Specific Gene Family Members, ..." in: **PLoS ONE**, Vol. 10, Issue 10, pp. e0140010, (2015) ([PubMed](#)).

Images



Western Blotting

Image 1. ABIN5539461 (0.1 µg/ml) staining of fetal Mouse Brain lysate (35 µg protein in RIPA buffer). Detected by chemiluminescence.



Immunofluorescence

Image 2. ABIN5539461 (3 µg/ml) staining of primary DIV9 cells from Hippocampus E18 Rat embryos showed exclusive localization (red, Alexa 568) within the neurons (MAP2 staining in blue, Alexa 647) and not in the glia (GFAP staining in green, Alexa 488). Right panel shows