Product Datasheet

Parvalbumin Antibody - BSA Free NB120-11427SS

Unit Size: 0.025 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.



Publications: 32

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NB120-11427SS

Parvalbumin Antibody - BSA Free

Product Information	
Unit Size	0.025 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	5816
Gene Symbol	PVALB
Species	Human, Mouse, Rat, Feline
Reactivity Notes	Use in Feline reported in scientific literature (PMID:10.1016/j.celrep.2021.109083). Mouse reactivity reported in scientific literature (PMID: 24065886). Mouse reactivity reported in scientific literature (PMID:33053349).
Immunogen	Parvalbumin Antibody made from purified parvalbumin
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry- Paraffin, Immunoprecipitation, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 0.1 ug/ml, ELISA 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:100 - 1:200, Immunoprecipitation 5 ug/ml, Immunohistochemistry-Paraffin 1 ug/ml, Immunohistochemistry-Frozen 1:10 - 1:500, Immunohistochemistry Free-Floating reported in scientific literature (PMID 33515957)
Images	
Western Blot: Parvalbumin An	tibody [NB120-11427] - WB analysis of rat

Western Blot: Parvalbumin Antibody [NB120-11427] - WB analysis of rat cerebellum extract.	Fig. 1
	parvalbumin

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Immunocytochemistry/Immunofluorescence: Parvalbumin Antibody [NB120-11427] - Analysis of Parvalbumin using anti-Parvalbumin polyclonal antibody shows staining in U251 Cells. Parvalbumin staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Parvalbumin at a dilution of 1:200 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated. Parvalbumir Stargazii Immunohistochemistry-Paraffin: Parvalbumin Antibody [NB120-11427] -Stargazin expression is restricted to PV+ interneurons in WT mouse somatosensory cortex (upper row). Somatodendritic stargazin immunoreactivity is lost in PV+ interneurons in stargazer mouse (lower row). Co-labeling of stargazin and parvalbumin antibodies shown in layer 2/3 at 63x magnification (scale = 10 um). Image collected and cropped by CiteAb from the following publication (https://journal.frontiersin.org/article/10.3389/fncel.2013.00156/abstract), licensed under a CC-BY license. Immunocytochemistry/Immunofluorescence: Parvalbumin Antibody [NB120-11427] - Analysis of Parvalbumin using anti-Parvalbumin polyclonal antibody shows staining in C6 Cells. Parvalbumin staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Parvalbumin at a dilution of 1:100 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated. Immunocytochemistry/Immunofluorescence: Parvalbumin Antibody [NB120-11427] - Analysis of Parvalbumin using anti-Parvalbumin polyclonal antibody shows staining in Hela Cells. Parvalbumin staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Parvalbumin at a dilution of 1:100 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated.







Publications

Meilinn Tram, Tarek Ibrahim, Anahit Hovhannisyan, Armen Akopian, Shivani Ruparel Lingual innervation in male and female marmosets Neurobiology of Pain 2023-05-31 [PMID: 38099285]

Kim HR, Lee HJ, Jeon Y et al. Targeting SARM1 improves autophagic stress-induced axonal neuropathy Autophagy 2023-08-18 [PMID: 37561040]

Stevens SR, Longley CM, Ogawa Y et al. Ankyrin-R regulates fast-spiking interneuron excitability through perineuronal nets and Kv3.1b K(+) channels eLife 2021-06-28 [PMID: 34180393]

Ebokaiwe AP, Okori S, Nwankwo JO et al. Selenium nanoparticles and metformin ameliorate streptozotocininstigated brain oxidative-inflammatory stress and neurobehavioral alterations in rats Naunyn-Schmiedeberg's Archives of Pharmacology 2021-04-01 [PMID: 33064168] (WB)

Harkness JH, Gonzalez AE, Bushana PN et al. Diurnal changes in perineuronal nets and parvalbumin neurons in the rat medial prefrontal cortex Brain Structure and Function 2021-05-01 [PMID: 33585984]

Miguel JC, Perez SE, Malek-Ahmadi M, Mufson EJ. Cerebellar Calcium-Binding Protein and Neurotrophin Receptor Defects in Down Syndrome and Alzheimer's Disease Frontiers in Aging Neuroscience 2021-03-12 [PMID: 33776745]

Ginder DE Impacts of Prenatal Cannabis Exposure on the Medial Prefrontal Cortex in Adulthood Thesis 2023-01-01 (WB, Mouse)

Sun XY, Liu L, Song YT et al. Two parallel medial prefrontal cortex-amygdala pathways mediate memory deficits via glutamatergic projection in surgery mice Cell reports 2023-06-30 [PMID: 37392387] (IHC, Mouse)

Tram M, Ibrahim T, Hovhannisyan A et al. Lingual innervation in male and female marmosets Neurobiology of Pain 2023-08-01 (IHC-Fr, Primate)

Details:

Species-marmoset (Callithrix jacchus)

Creutzberg KC, Begni V, Marchisella F et al. Early effects of lurasidone treatment in a chronic mild stress model in male rats Psychopharmacology 2023-02-23 [PMID: 36820870] (ICC/IF, Rat)

Li J, Godoy MI, Zhang AJ et al. Prdm16 and Vcam1 regulate the postnatal disappearance of embryonic radial glia and the ending of cortical neurogenesis bioRxiv : the preprint server for biology 2023-02-14 [PMID: 36824905] (IHC-Fr, Mouse)

Hovhannisyan AH, Lindquist KA, Belugin S et al. Sensory innervation of masseter, temporal and lateral pterygoid muscles in common marmosets bioRxiv : the preprint server for biology 2023-02-12 [PMID: 36798270] (IHC-Fr, Primate, Marmoset)

Details: Dilution used in IHC-Fr 1:200

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