

Product Datasheet

mGluR5/1 Antibody - Azide Free NB300-126

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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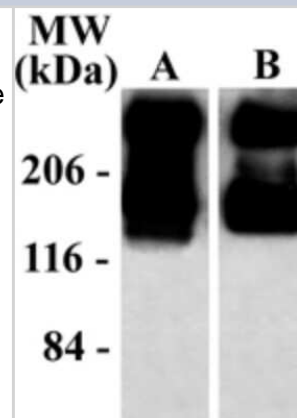
NB300-126

mGluR5/1 Antibody - Azide Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	125 kDa
Product Description	
Description	Novus Biologicals Rabbit mGluR5/1 Antibody - Azide Free (NB300-126) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-mGluR5/1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2915
Gene Symbol	GRM5
Species	Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 15608650).
Specificity/Sensitivity	Specific for endogenous levels of the ~125 kDa monomer and the ~250 kDa dimers of mGluR5 and mGluR1. Immunolabeling blocked by preadsorption of antibody with the peptide used to generate the antibody.
Immunogen	Synthetic peptide corresponding to amino acid residues from the C-terminal region conjugated to KLH. Accession # P31424
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen 1:500
Application Notes	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 30868621).

Images

Western Blot: metabotropic Glutamate Receptor 5/1 Antibody [NB300-126] - 10 ug of HEK 293 cells expression. As shown in the autoradiograph, the mGluR5/1a antibody recognizes both mGluR5 (Lane A) and mGluR1a (Lane B) labeling the ~125k monomer and the ~250k dimers for both mGluRs.



Publications

Lee K, Vyas Y, Garner CC, Montgomery JM. Autism-associated Shank3 mutations alter mGluR expression and mGluR-dependent but not NMDA receptor-dependent long-term depression Synapse 2019-03-13 [PMID: 30868621] (ICC/IF, Rat)

Kaittanis C, Andreou C, Hieronymus H et al. Prostate-specific membrane antigen cleavage of vitamin B9 stimulates oncogenic signaling through metabotropic glutamate receptors. J. Exp. Med. 2017 Nov 15 [PMID: 29141866] (ICC/IF, Human)

Cheyne JE, Grant L, Butler-Munro C et al. Synaptic integration of newly generated neurons in rat dissociated hippocampal cultures. Mol Cell Neurosci 2011-07-01 [PMID: 21569851] (Rat)

Spanagel, R et al. The clock gene Per2 influences the glutamatergic system modulates alcohol consumption. Nature Medicine 2005. [PMID: 15608650] (WB, Mouse)



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Products Related to NB300-126

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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