

# Product Datasheet

## mGluR1 Antibody - Azide Free

### NB300-123

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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#### Publications: 2

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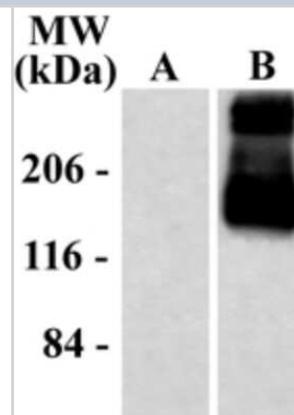
**NB300-123**

mGluR1 Antibody - Azide Free

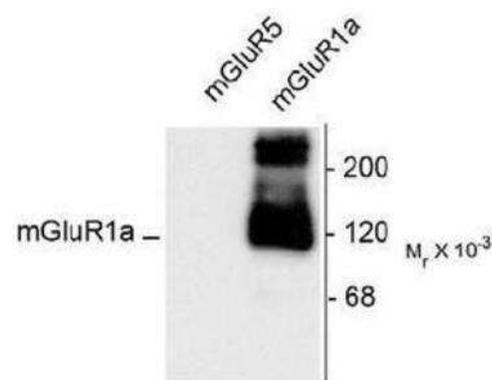
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
<b>Target Molecular Weight</b>	125 kDa
Product Description	
<b>Description</b>	Novus Biologicals Rabbit mGluR1 Antibody - Azide Free (NB300-123) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-mGluR1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	2911
<b>Gene Symbol</b>	GRM1
<b>Species</b>	Mouse, Rat
<b>Specificity/Sensitivity</b>	Specific for endogenous levels of the ~125 kDa monomer and the ~250 kDa mGluR1a dimer. Immunolabeling blocked by preadsorption of antibody with the peptide used to generate the antibody.
<b>Immunogen</b>	Synthetic peptide corresponding to amino acid residues from the C-terminal region conjugated to KLH. Accession # P23385
Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen 1:500
<b>Application Notes</b>	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 26924225).

## Images

Western Blot: mGluR1 Antibody [NB300-123] - 10 ug of HEK 293 cells expression. As shown in the autoradiograph, the mGluR1a antibody is specific for the ~125k monomer and the ~250k dimer of mGluR1a (Lane A). The mGluR1a antibody shows no reactivity towards mGluR5 (Lane B).



Western Blot: mGluR1 Antibody [NB300-123] - 10 ug of HEK 293 cells expressing mGluR1a and mGluR5 showing the specific immunolabeling of the ~125k monomer and the ~250k dimer of mGluR1a. The mGluR1a antibody shows no reactivity toward mGluR5.



## Publications

Musante I, Mattinzoli D, Otescu LA et al. Phenotypic characterization of Grm1(crv4) mice reveals a functional role for the type 1 metabotropic glutamate receptor in bone mineralization Bone 2017-01-01 [PMID: 27989650] (Western Blot, Immunocytochemistry/ Immunofluorescence, Mouse)

Li M, Corbelli A, Watanabe S et al. Three-Dimensional Podocyte-Endothelial Cell Co-cultures: Assembly, Validation, and Application to Drug Testing and Intercellular Signaling Studies Eur J Pharm Sci 2016-02-23 [PMID: 26924225] (ICC/IF, WB, Mouse)



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### **Products Related to NB300-123**

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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

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### **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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