

# AB-NN291-2

## mGluR1/5 Antibody

Pan-specific monoclonal antibody (S75-33) for monitoring the expression of rat mGluR1/5



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Metabotropic glutamate receptor 5 (mGluR1/5)
<b>Alias:</b>	Glutamate receptor metabotropic 5, GPRC1E, GRM 5, GRM5, Metabotropic glutamate receptor 5, Metabotropic glutamate receptor 5 variant F, Metabotropic glutamate receptor 5 variant G, Metabotropic glutamate receptor 5 variant H, mGlu5, mGluR5, mGluR5a, mGluR5b, Glutamate receptor metabotropic 1, glutamate receptor, metabotropic 1, GPRC1A, GRM 1, GRM1 alpha, GRM1, GRM1_HUMAN, GRM1A, Metabotropic glutamate receptor 1, mGlu1, mGluR1 alpha, mGluR1, mGluR1A
<b>UniProt ID:</b>	P31424 - Rat
<b>Human Predicted Mass (KDa):</b>	132.469 (1212 AA; P41594-1); 128.874 (1180 AA; P41594-2); 105.432 (942 AA; P41594-3)
<b>Observed SDS-PAGE Mass (KDa):</b>	130

### Immunogen

<b>Antibody Immunogen Source:</b>	Fusion protein amino acids 824-1203 (cytoplasmic C-terminus) of rat mGluR5b
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	158 IgG1
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

### Applications

<b>Product Use:</b>	WB   IHC   IP
<b>Antibody Dilution Recommended:</b>	WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-407 was sufficient for detection of mGluR1/5 glutamate receptor in 20 µg of rat brain membrane lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~130 kDa protein (both mGluR1 and mGluR5).

This product is for in vitro research use only and is not intended for use in humans or animals.

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