



## Rabbit Anti-MGLUR3 antibody

SL12012R

<b>Product Name:</b>	MGLUR3
<b>Chinese Name:</b>	代谢型谷氨酸受体-3抗体
<b>Alias:</b>	G protein coupled receptor family C group 1 member C; GLUR 3; GLUR3; GLUR3; Glutamate metabotropic receptor 3; Glutamate receptor metabotropic 3; GPRC1C; GRM 3; GRM3; GRM3_HUMAN; Metabotropic glutamate receptor 3; Metabotropic glutamate receptor 3 precursor; mGlu 3; MGlu3; MGlu3; MGLUR 3; MGLUR3.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000Flow-Cyt=5μg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	96kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Metabotropic Glutamate Receptor 3:365-460/879<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Glutamate receptors mediate most excitatory neurotransmission in the brain and play an important role in neural plasticity, neural development and neurodegeneration. Ionotropic glutamate receptors are categorized into NMDA receptors and kainate/AMPA receptors, both of which contain glutamate-gated, cation-specific ion

channels. Kainate/AMPA receptors are co-localized with NMDA receptors in many synapses and consist of seven structurally related subunits designated GluR-1 to -7. The kainate/AMPA receptors are primarily responsible for the fast excitatory neurotransmission by glutamate whereas the NMDA receptors are functionally characterized by a slow kinetic and a high permeability for Ca<sup>2+</sup> ions. The NMDA receptors consist of five subunits: epsilon 1, 2, 3, 4 and one zeta subunit. The zeta subunit is expressed throughout the brainstem whereas the four epsilon subunits display limited distribution.

**Function:**

Receptor for glutamate. The activity of this receptor is mediated by a G-protein that inhibits adenylate cyclase activity.

**Subunit:**

Interacts with GRASP

**Subcellular Location:**

Cell membrane; Multi-pass membrane protein.

**Similarity:**

Belongs to the G-protein coupled receptor 3 family.

**SWISS:**

Q14832

**Gene ID:**

2913

**Database links:**

[Entrez Gene: 2913](#) Human

[Entrez Gene: 108069](#) Mouse

[Entrez Gene: 24416](#) Rat

[Omim: 601115](#) Human

[SwissProt: Q14832](#) Human

[SwissProt: Q9QYS2](#) Mouse

[SwissProt: P31422](#) Rat

[Unigene: 590575](#) Human

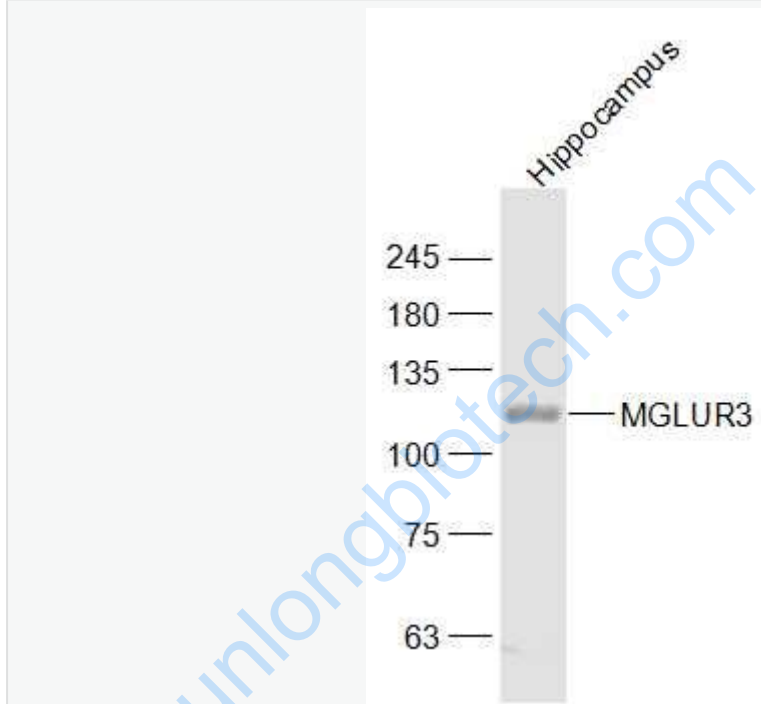
[Unigene: 318966](#) Mouse

[Unigene: 41715](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Sample:

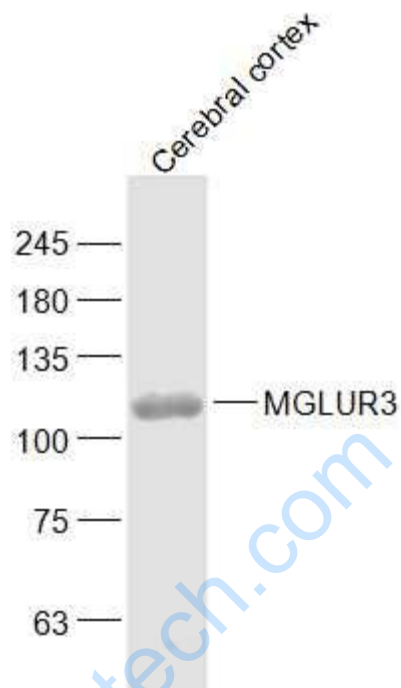
Hippocampus (Mouse) Lysate at 40 ug

Primary: Anti-MGLUR3 (SL12012R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 96 kD

Observed band size: 116 kD



Sample:

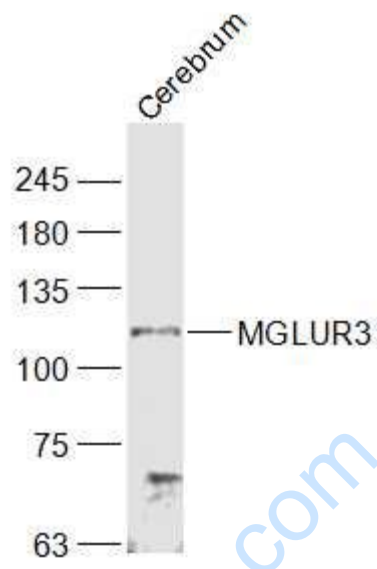
Cerebral cortex (Mouse) Lysate at 40 ug

Primary: Anti-MGLUR3 (SL12012R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 96 kD

Observed band size: 116 kD



Sample:

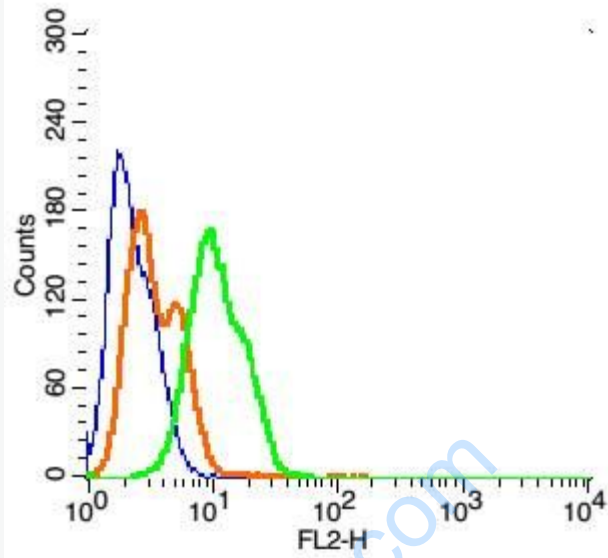
Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-MGLUR3 (SL12012R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 96 kD

Observed band size: 116 kD



Blank control: Mouse Liver Cells(fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice).

Primary Antibody: Rabbit Anti- MGLUR3/PE Conjugated antibody (SL12012R),

Dilution: 5 $\mu$ g in 100  $\mu$ L 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG/PE(orange) ,used under the same conditions.