

[Primary Antibody]

GRM2 Rabbit pAb



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ANTIBODIES

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— DATASHEET

Host: Rabbit

Isotype: IgG

Applications: WB (1:500-2000)

Clonality: Polyclonal

GeneID: 2912

SWISS: Q14416

Target: GRM2

Immunogen: KLH conjugated synthetic peptide derived from human GRM2: 801-872/872.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

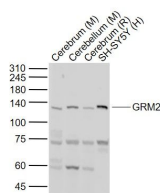
Background: L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors, that have been divided into 3 groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5 and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3 while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities.

Reactivity: Human, Mouse, Rat
(predicted: Rabbit, Cow,
Chicken, Dog, Horse)

Predicted
MW.: 96 kDa

Subcellular Location: Cell membrane

— VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebrum tissue lysates

Lane 2: Mouse Cerebellum tissue lysates Lane 3:

Rat Cerebrum tissue lysates Lane 4: Human SH-

SY5Y cell lysates Primary: Anti-GRM2 (bs-1161R)

at 1/1000 dilution Secondary: IRDye800CW Goat

Anti-Rabbit IgG at 1/20000 dilution Predicted

band size: 96 kD Observed band size: 120 kD