

Datasheet for ABIN265440
anti-GRM7 antibody



[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	GRM7
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRM7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of mGluR7 protein. (region surrounding Glu894)
Cross-Reactivity (Details):	Species reactivity (expected):Mouse and Rat. Species reactivity (tested):Human.
Purification:	Affinity Chromatography using epitope-specific immunogen

Target Details

Target:	GRM7
Alternative Name:	mGluR7 / GRM7 (GRM7 Products)
Background:	The mGluR proteins (metabotropic glutamate receptors) are members of the G protein-coupled receptor family and are functionally and pharmacologically distinct from the GluR proteins (ionotropic glutamate receptors). The eight currently known mGluR proteins are mediated by

Target Details

two G proteins with opposing regulation of adenylate cyclase pathways. The activities of mGluR-1 and mGluR-5 are mediated by a G protein that activates a phosphatidylinositolcalcium second messenger system and generates a calcium-activated chloride current. The remainder of the eight subtypes of mGluR have an activity mediated by a G protein that inhibits adenylate cyclase activity. mGluR-7, which can interact with PRKCABP, acts as a receptor for glutamate. It is highly expressed in various areas of the brain, but highest levels are detected in cerebellum, cerebral cortex and hippocampus.Synonyms: GPRC1G, MGLUR7, Metabotropic glutamate receptor 7

Molecular Weight: approx. 100 kDa

Gene ID: 2917

NCBI Accession: [NP_000835](#)

UniProt: [Q14831](#)

Pathways: [Sensory Perception of Sound](#), [cAMP Metabolic Process](#), [Feeding Behaviour](#)

Application Details

Application Notes: ELISA: 1/10000-1/20000. Western Blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. Immunohistochemistry: 1/50-1/200.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS, pH ~7.2, 0.05 % Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Image 1.

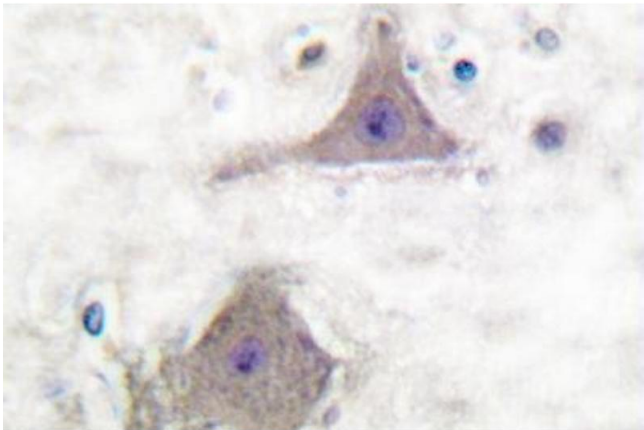


Image 2.