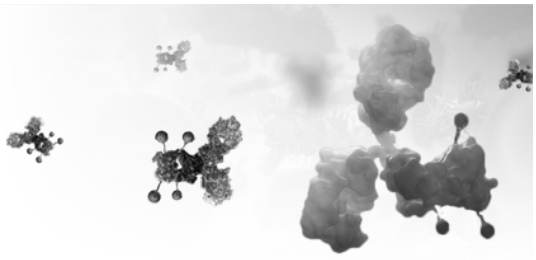

Rabbit Anti-GRM5 monoclonal antibody, clone TU62-11 (CABT-L668)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Metabotropic glutamate receptor 5
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TU62-11
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	132 kDa
Cellular Localization	Cell membrane.
Positive Control	JAR, PC12, SHG-44, rat brain tissue, mouse brain tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	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 two G proteins with opposing regulation of adenylate cyclase pathways. The activities of mGluR1 and mGluR5 are mediated by a G protein that activates a phosphatidylinositol-calcium second messenger system and generates a calcium-activated chloride current. The remainder of the eight sub-types of mGluR have an activity mediated by a G protein that inhibits adenylate cyclase activity. mGluR-5, which can interact with SIAH-1, RyR-1, RyR-2, ITPR1, Shank 1, Shank 3 and GRASP, acts as a receptor for glutamate. The PPXXf motif of mGluR-5 binds to HOM1, HOM2 and HOM3.
Keywords	Glutamate receptor metabotropic 5;GPRC1E;Grm5;GRM5_HUMAN;Metabotropic glutamate receptor 5;Metabotropic glutamate receptor 5 variant F;Metabotropic glutamate receptor 5 variant G;Metabotropic glutamate receptor 5 variant H;mGlu5;mGluR5;PPP1R86;Protein phosphatase 1 regulatory subunit 86 antibody

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