

Metabotropic glutamate receptor 5 Conjugated Antibody

Catalog No: #C48873

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Package Size: #C48873-AF350 100ul #C48873-AF405 100ul #C48873-AF488 100ul

#C48873-AF555 100ul #C48873-AF594 100ul #C48873-AF647 100ul

#C48873-AF680 100ul #C48873-AF750 100ul #C48873-Biotin 100ul

Description

Product Name	Metabotropic glutamate receptor 5 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Glutamate receptor metabotropic 5 antibody GPRC1E antibody Grm5 antibody GRM5_HUMAN antibody Metabotropic glutamate receptor 5 antibody Metabotropic glutamate receptor 5 variant F antibody Metabotropic glutamate receptor 5 variant G antibody Metabotropic glutamate receptor 5 variant H antibody mGlu5 antibody mGluR5 antibody PPP1R86 antibody Protein phosphatase 1 regulatory subunit 86 antibody
Accession No.	Swiss-Prot#:P41594
Uniprot	P41594
GeneID	2915;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	132 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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 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.

Note: This product is for in vitro research use only