

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GPR88 in ELISA.
Source	Monoclonal Mouse IgG ₁ Clone # 1039818
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human GPR88 synthetic peptide
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunocytochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

GPR88 is an orphan receptor that probably belongs to the G-protein coupled receptor family. Ligands for this receptor still largely remain unknown but agonists have been discovered. It is a brain-specific receptor with almost exclusive expression in the striatum, being preferentially localized in medium spiny neurons. Because of its expression, GPR88 is emerging as a drug target for CNS disorders such as schizophrenia, Parkinson's disease, anxiety, and addiction. Gpr88 KO mice data suggests that striatal GPR88 receptors influence activity in a range of procedures integrated by prefrontal, orbitofrontal and anterior cingulate cortico-striatal-thalamic loops leading to altered cognitive, motivational and reward evaluation processes.

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