10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-GPR12 Antibody (Extracellular Domain)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17475

Product Information

Application	IHC-P
Primary Accession	P47775
Predicted	Human, Mouse, Rat, Rabbit, Hamster, Pig, Bovine, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36730
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	2835
Alias Symbol	GPR12
Other Names	GPR12, G protein-coupled receptor 12, G-protein coupled receptor 12, GPCR12, GPCR21
Target/Specificity	Human GPR12 / GPCR12. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except GPR6 (53%).
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-GPR12 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GPR12
Function	Brain-specific G protein-coupled receptor involved in regulating diverse physiological processes including neurite outgrowth, meiotic arrest, and lipid and carbohydrate metabolism (By similarity). Functions as a receptor with constitutive G(s)-mediated signaling activity that stimulates cyclic AMP (cAMP) production (PubMed:36593162). Also engages the G(i)/G(o) pathway, which counteracts the cAMP increase driven by G(s) activation (PubMed:12220620). Additionally, two lipids sphingosylphosphorylcholine (SPC) and sphingosine-1-phosphate (S1P) may act as endogenous ligand and activate GPR12 (PubMed:12220620).
Cellular Location	Cell membrane; Multi-pass membrane protein

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.