

GPR12 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51955**Specification**

GPR12 Antibody - Product Information

Application	WB, E
Primary Accession	P47775
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37 KDa

GPR12 Antibody - Additional Information**Gene ID** 2835**Other Names**

G-protein coupled receptor 12, GPR12

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C.Stable for 12 months from date of receipt

GPR12 Antibody - 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

GPR12 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPR12 Antibody - Images

GPR12 Antibody - Background

Promotes neurite outgrowth and blocks myelin inhibition in neurons (By similarity). Receptor with constitutive G(s) signaling activity that stimulates cyclic AMP production.

GPR12 Antibody - References

Song Z.-H., et al. Genomics 28:347-349(1995).
Dunham A., et al. Nature 428:522-528(2004).
Uhlenbrock K., et al. Cell. Signal. 14:941-953(2002).
Yin H., et al. J. Biol. Chem. 284:12328-12338(2009).