

GPR50 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51961

Specification

GPR50 Antibody - Product Information

Application	WB, E
Primary Accession	Q13585
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67 KDa

GPR50 Antibody - Additional Information

Gene ID 9248

Other Names

Melatonin-related receptor, G protein-coupled receptor 50, H9, GPR50

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

GPR50 Antibody - Protein Information

Name GPR50

Function

G protein-coupled receptor that plays a role in numerous physiological processes including regulation of energy metabolism, neurite outgrowth or cell migration (PubMed: [19699797](http://www.uniprot.org/citations/19699797)). Promotes self- renewal and neuronal differentiation of neural progenitor cells through activation of the NOTCH and WNT/beta-catenin signaling pathways (By similarity). Modulates the KAT5-dependent glucocorticoid receptor signaling by modulating KAT5 subcellular compartmentalisation (PubMed: [21858214](http://www.uniprot.org/citations/21858214)). Also plays a role in the activation TGFBR1 in the absence of TGFBR2 by interfering with FKBP1A binding to TGFBR1, leading to induction of both canonical and non-canonical SMAD signaling pathways resulting in inhibition of proliferation or promotion of migration (PubMed: [29572483](http://www.uniprot.org/citations/29572483)).

Cellular Location

Cell membrane; Multi-pass membrane protein. Postsynaptic density

Tissue Location

Hypothalamus and pituitary.

GPR50 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](#)

GPR50 Antibody - Images

GPR50 Antibody - Background

Does not bind melatonin.

GPR50 Antibody - References

Reppert S.M.,et al.FEBS Lett. 386:219-224(1996).
Kaighin V.A.,et al.Submitted (DEC-2007) to the EMBL/GenBank/DDBJ databases.
Levoye A.,et al.EMBO J. 25:3012-3023(2006).
Bhattacharyya S.,et al.J. Lipid Res. 47:761-766(2006).