

GPR50 Polyclonal Antibody
Catalog # AP70207**Specification**

GPR50 Polyclonal Antibody - Product Information

Application	WB, IF
Primary Accession	Q13585
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

GPR50 Polyclonal Antibody - Additional Information**Gene ID** 9248**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.

IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

GPR50 Polyclonal 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). 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). 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).

Cellular Location

Cell membrane; Multi-pass membrane protein. Postsynaptic density

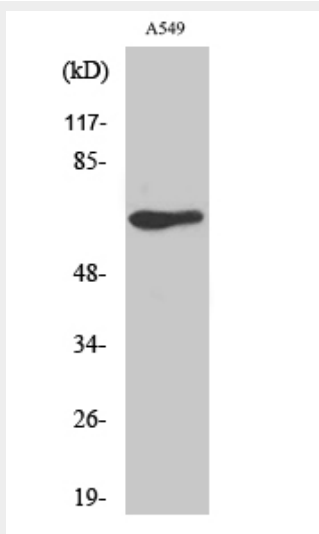
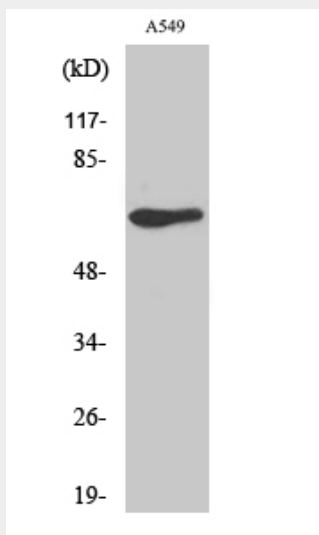
Tissue Location

Hypothalamus and pituitary.

GPR50 Polyclonal 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 Polyclonal Antibody - Images

GPR50 Polyclonal Antibody - Background

Does not bind melatonin.