

GPR50 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10861**Specification**

GPR50 Antibody (C-Terminus) - Product Information

Application	IHC-P
Primary Accession	Q13585
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67kDa KDa
Dilution	IHC-P~~N/A

GPR50 Antibody (C-Terminus) - Additional Information**Gene ID** 9248**Other Names**

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

Target/Specificity

Human GPR50. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

GPR50 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR50 Antibody (C-Terminus) - 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.

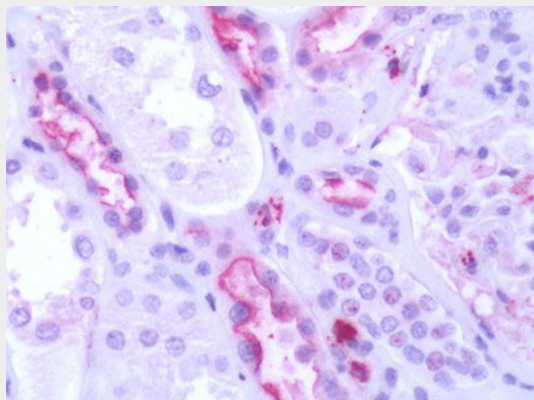
Volume

50 µl

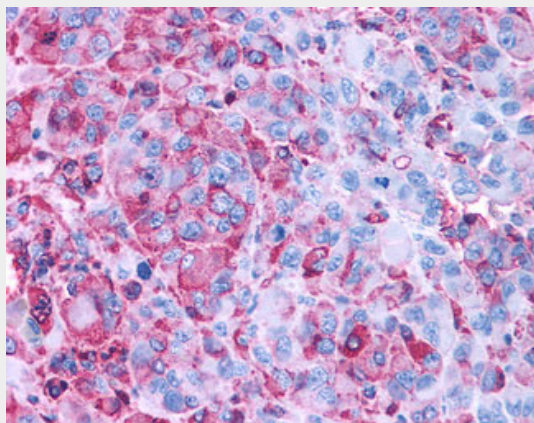
GPR50 Antibody (C-Terminus) - Protocols

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 (C-Terminus) - Images

Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



Anti-GPR50 antibody IHC of human Skin, Melanoma.

GPR50 Antibody (C-Terminus) - Background

Does not bind melatonin.

GPR50 Antibody (C-Terminus) - 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).