

# GPR50 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51961

## Product Information

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Application	WB
Primary Accession	<a href="#">Q13585</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67369

## Additional Information

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Gene ID	9248
Other Names	Melatonin-related receptor, G protein-coupled receptor 50, H9, GPR50
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR50. The exact sequence is proprietary.
Dilution	WB~~1:1000
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

## Protein Information

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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: <a href="#">19699797</a> ). 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: <a href="#">21858214</a> ). 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: <a href="#">29572483</a> ).
Cellular Location	Cell membrane; Multi-pass membrane protein. Postsynaptic density
Tissue Location	Hypothalamus and pituitary.

## Background

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Does not bind melatonin.

## References

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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).

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