

GPR50 Polyclonal Antibody

Catalog # AP70207

Product Information

Application	WB, IF, ICC, E
Primary Accession	Q13585
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67369

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 ICC--N/A E--N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

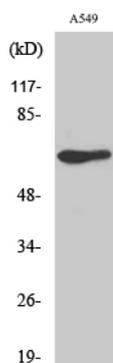
Protein Information

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.

Background

Does not bind melatonin.

Images



Western Blot analysis of various cells using GPR50
Polyclonal Antibody diluted at 1 : 1000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.