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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℃

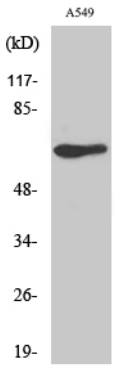
Protein Information

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 compartmentalization (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'.