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GPR83 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51243

Product Information

Application	WB, IP
Primary Accession	Q9NYM4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48339

Additional Information

Gene ID	10888
Other Names	Probable G-protein coupled receptor 83, G-protein coupled receptor 72, GPR83, GPR72, KIAA1540
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GPR83. The exact sequence is proprietary.
Dilution	WB~~1:1000 IP~~N/A
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

Name	GPR83 (HGNC:4523)
Function	G-protein coupled receptor for PEN, a neuropeptide produced from the precursor protein, proSAAS (encoded by PCSK1N). Acts through a G(i)- and G(q)-alpha-alpha-mediated pathway in response to PEN (PubMed:27117253). Plays a role in food intake and body weight regulation. May contribute to the regulation of anxiety-related behaviors (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P30731}; Multi-pass membrane protein. Note=Colocalizes with GPR171 in the paraventricular nucleus. Colocalizes with the ghrelin receptor GHSR1A in the hypothalamus. {ECO:0000250|UniProtKB:P30731}
Tissue Location	Highly expressed in the brain and spinal cord, and found in lower concentrations in the thymus and other tissues

Background

Orphan receptor. Could be a neuropeptide Y receptor.

References

Parker R.,et al.Biochim. Biophys. Acta 1491:369-375(2000).
Nagase T.,et al.DNA Res. 7:143-150(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Kaighin V.A.,et al.Submitted (DEC-2007) to the EMBL/GenBank/DDBJ databases.