

GPR83 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51243**Specification**

GPR83 Antibody - Product Information

Application	WB, IP, E
Primary Accession	Q9NYM4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48 KDa

GPR83 Antibody - 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

E~~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

GPR83 Antibody - 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

GPR83 Antibody - 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](#)

GPR83 Antibody - Images**GPR83 Antibody - Background**

Orphan receptor. Could be a neuropeptide Y receptor.

GPR83 Antibody - 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.