

GPR83 (aa59-71) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3684a**Specification**

GPR83 (aa59-71) Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	Q9NYM4
Other Accession	NP_057624.3 , 10888 , 14608 (mouse) , 140595 (rat)
Reactivity	Human, Mouse, Rat
Predicted	Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	48339

GPR83 (aa59-71) Antibody (internal region) - Additional Information**Gene ID** 10888**Other Names**

Probable G-protein coupled receptor 83, G-protein coupled receptor 72, GPR83, GPR72, KIAA1540

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GPR83 (aa59-71) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR83 (aa59-71) Antibody (internal region) - 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-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

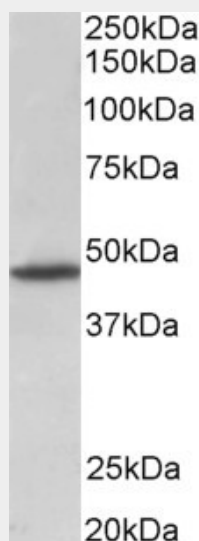
Highly expressed in the brain and spinal cord, and found in lower concentrations in the thymus and other tissues

GPR83 (aa59-71) Antibody (internal region) - 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 (aa59-71) Antibody (internal region) - Images



AF3684a (1 µg/ml) staining of Rat Brain lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

GPR83 (aa59-71) Antibody (internal region) - Background

The immunizing peptide represents part of an extracellular domain.

GPR83 (aa59-71) Antibody (internal region) - References

Inflammation in vivo is modulated by GPR83 isoform-4 but not GPR83 isoform 1 expression in regulatory T cells. Hansen W, Westendorf AM, Toepfer T, Mauel S, Geffers R, Gruber AD, Buer J. Genes Immun. 2010 Jun;11(4):357-61. PMID: 20200545