

GPR83 Polyclonal Antibody
Catalog # AP70215**Specification**

GPR83 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q9NYM4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

GPR83 Polyclonal Antibody - Additional Information**Gene ID** 10888**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

GPR83 Polyclonal 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

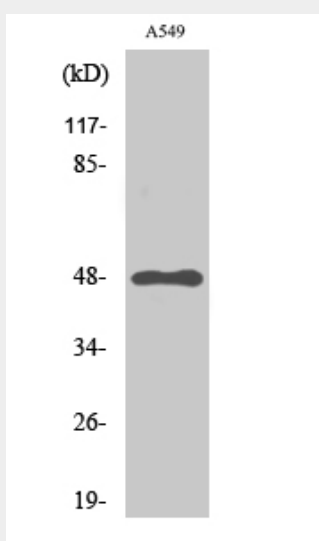
Highly expressed in the brain and spinal cord, and found in lower concentrations in the thymus and other tissues

GPR83 Polyclonal 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 Polyclonal Antibody - Images



Western Blot analysis of various cells using GPR83 Polyclonal Antibody

GPR83 Polyclonal Antibody - Background

Orphan receptor. Could be a neuropeptide Y receptor.