

GPR83 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18225a

Specification

GPR83 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q9NYM4
Other Accession	NP_057624.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	48339
Antigen Region	1-30

GPR83 Antibody (N-term) - Additional Information

Gene ID 10888

Other Names

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

Target/Specificity

This GPR83 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human GPR83.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

GPR83 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR83 Antibody (N-term) - 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

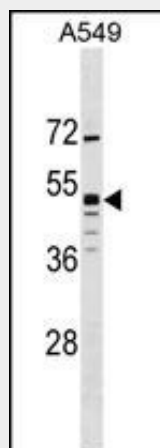
Highly expressed in the brain and spinal cord, and found in lower concentrations in the thymus and other tissues

GPR83 Antibody (N-term) - 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 (N-term) - Images



GPR83 Antibody (N-term) (Cat. #AP18225a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the GPR83 antibody detected the GPR83 protein (arrow).

GPR83 Antibody (N-term) - Background

GPR83 is an orphan receptor. Could be a neuropeptide Y receptor.

GPR83 Antibody (N-term) - References

Hansen, W., et al. Genes Immun. 11(4):357-361(2010)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Hansen, W., et al. J. Immunol. 177(1):209-215(2006)

Parker, R., et al. Biochim. Biophys. Acta 1491 (1-3), 369-375 (2000) :
De Moerlooze, L., et al. Cytogenet. Cell Genet. 90 (1-2), 146-150 (2000) :