10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GPR87 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16621b

Product Information

Application	WB, E
Primary Accession	Q9BY21
Other Accession	Q99MT7, NP_076404.3
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36091
Calculated MW	41436
Antigen Region	329-357

Additional Information

Gene ID	53836
Other Names	G-protein coupled receptor 87, G-protein coupled receptor 95, GPR87, GPR95
Target/Specificity	This GPR87 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 329-357 amino acids from the C-terminal region of human GPR87.
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	GPR87 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GPR87
Synonyms	GPR95
Function	Receptor for lysophosphatidic acid (LPA) (PubMed: 17905198). Necessary for

	p53/TP53-dependent survival in response to DNA damage (PubMed:19602589). Promotes the Hippo-YAP signaling pathway and thereby modulates glycolysis and oxidative stress production by the regulation of hexokinase-2/HK2 (PubMed:35843477).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed in placenta and prostate. Weaker expression in thymus. Not expressed in thalamus, hippocampus, pons or cerebellum. Overexpressed in squamous cell carcinoma of the lung

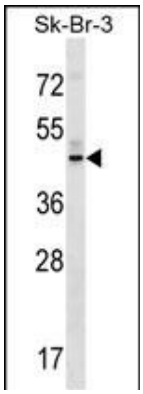
Background

G protein-coupled receptors play a role in cell communication. They are characterized by an extracellular N terminus, 7 transmembrane regions, and an intracellular C terminus.

References

Yokoyama, K., et al. Nephron Clin Pract 115 (4), C237-C243 (2010) :
Zhang, Y., et al. Cancer Res. 69(15):6049-6056(2009)
Glatt, S., et al. Int. J. Cancer 122(9):2008-2016(2008)
Gugger, M., et al. Dis. Markers 24(1):41-50(2008)
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Images



GPR87 Antibody (C-term) (Cat. #AP16621b) western blot analysis in SK-BR-3 cell line lysates (35ug/lane).This demonstrates the GPR87 antibody detected the GPR87 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.