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Anti-GPR87 Antibody

Rabbit polyclonal antibody to GPR87
Catalog # AP61532

Product Information

Application	WB, IF/IC
Primary Accession	Q9BY21
Other Accession	Q99MT7
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41436

Additional Information

Gene ID	53836
Other Names	GPR95; G-protein coupled receptor 87; G-protein coupled receptor 95
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR87. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

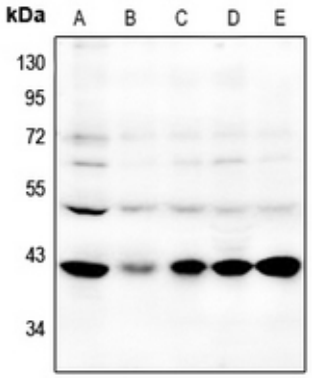
Protein Information

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

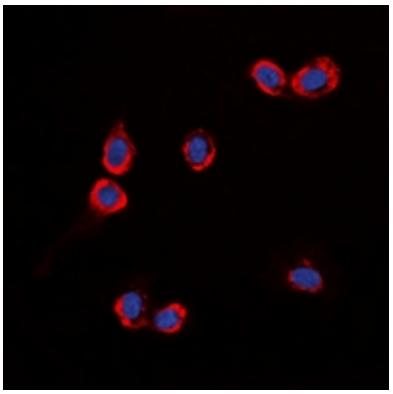
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR87. The exact sequence is proprietary.

Images



Western blot analysis of GPR87 expression in Myla2059 (A), PC3 (B), A549 (C), DLD (D), HepG2 (E) whole cell lysates.



Immunofluorescent analysis of GPR87 staining in HuvEc cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).