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

GPR87/95 Polyclonal Antibody

Catalog # AP73621

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q9BY21
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41436

Additional Information

Gene ID	53836
Other Names	GPR87; GPR95; FKSG78; G-protein coupled receptor 87; G-protein coupled receptor 95
Dilution	WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

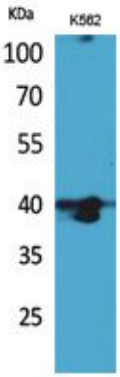
Protein Information

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

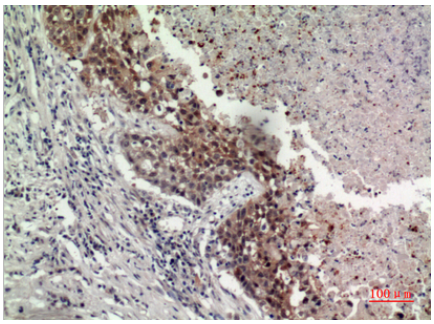
Background

Receptor for lysophosphatidic acid (LPA). Necessary for p53/TP53-dependent survival in response to DNA damage.

Images



Western Blot analysis of K562 cells using GPR87/95 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:100