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

Anti-GPCR135 Antibody

Catalog # AP53372

Product Information

Application	WB, IHC
Primary Accession	Q9NSD7
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51124

Additional Information

Gene ID	51289
Other Names	RLN3R1; SALPR; Relaxin-3 receptor 1; RLN3 receptor 1; G protein-coupled receptor SALPR; G-protein coupled receptor GPCR135; Relaxin family peptide receptor 3; Somatostatin- and angiotensin-like peptide receptor
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPCR135. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

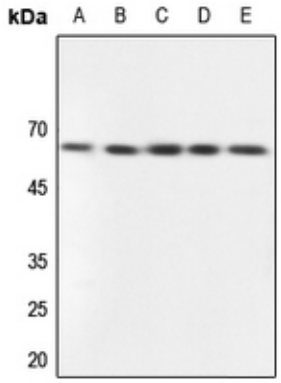
Protein Information

Name	RXFP3
Synonyms	GPCR135, RLN3R1, SALPR
Function	Receptor for RNL3/relaxin-3. Binding of the ligand inhibit cAMP accumulation.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Expressed predominantly in brain regions. Highest expression in substantia nigra and pituitary, followed by hippocampus, spinal cord, amygdala, caudate nucleus and corpus callosum, quite low level in cerebellum. In peripheral tissues, relatively high levels in adrenal glands, low levels in pancreas, salivary gland, placenta, mammary gland and testis

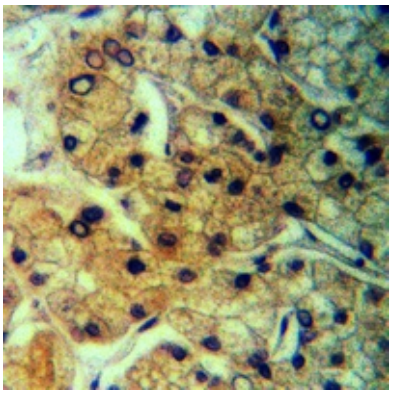
References

Matsumoto M.,et al.Gene 248:183-189(2000).
Kopatz S.A.,et al.Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
Liu C.,et al.J. Biol. Chem. 278:50754-50764(2003).

Images



Western blot analysis of GPCR135 expression in HEK293T (A), Hela (B), DLD (C), A375 (D), mouse lung (E) whole cell lysates. (Predicted band size: 51 kD; Observed band size: 65 kD)



Immunohistochemical analysis of GPCR135 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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