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GPR135 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55969

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8IZ08
Reactivity	Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51736
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GPR135
Epitope Specificity	201-300/494
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Multi-pass membrane protein.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	GPR135 is a 494 amino acid multi-pass membrane protein that belongs to the G-protein coupled receptor 1 family. Expressed in brain, eye, testis, cervix and testis, GPR135 shares high sequence homology with mouse and rat GPR135. The gene encoding GPR135 maps to human chromosome 14q23.1 and mouse chromosome 12 C3.

Additional Information

Gene ID	64582
Other Names	G-protein coupled receptor 135, GPR135
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GPR135

Function	Orphan receptor. Has spontaneous activity for beta-arrestin recruitment (PubMed:28827538). Shows a reciprocal regulatory interaction with the melatonin receptor MTNR1B most likely through receptor heteromerization (PubMed:28827538).
Cellular Location	Cell membrane; Multi-pass membrane protein. Endosome membrane; Multi-pass membrane protein. Note=Colocalizes with ARRB2/beta-arrestin-2 in the endosome.