

Anti-GPR176 Antibody

Catalog # AP51946

Product Information

Application	WB, IF/IC
Primary Accession	Q14439
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56998

Additional Information

Gene ID	11245
Other Names	Probable G-protein coupled receptor 176; HB-954
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GPR176. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
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

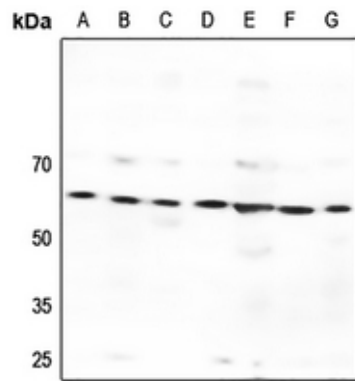
Protein Information

Name	GPR176
Function	Orphan receptor involved in normal circadian rhythm behavior. Acts through the G protein subclass G(z)-alpha and has an agonist- independent basal activity to repress cAMP production.
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q80WT4}; Multi-pass membrane protein

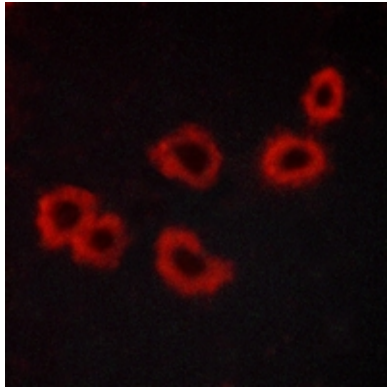
References

Hata S.,et al.Biochim. Biophys. Acta 1261:121-125(1995).

Images



Western blot analysis of GPR176 expression in HEK293T (A), HeLa (B), U2OS (C), mouse testis (D), mouse heart (E), rat testis (F), rat heart (G) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 57 kD)



Immunofluorescent analysis of GPR176 staining in MCF7 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 humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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