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GPR142 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11260a

Product Information

Application	WB, FC, E
Primary Accession	Q7Z601
Other Accession	NP_861455.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28809
Calculated MW	51106
Antigen Region	86-114

Additional Information

Gene ID	350383
Other Names	Probable G-protein coupled receptor 142, G-protein coupled receptor PGR2, GPR142, PGR2
Target/Specificity	This GPR142 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 86-114 amino acids from the N-terminal region of human GPR142.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GPR142 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GPR142
Synonyms	PGR2
Function	Orphan receptor.

Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Exclusively expressed in the central nervous system, most abundantly in the ventrolateral region of caudate putamen, the habenular nucleus, the zona incerta, and the medial mammillary nucleus.

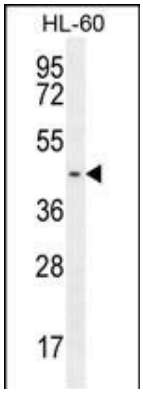
Background

GPR142 is a member of the rhodopsin family of G protein-coupled receptors (GPRs) (Fredriksson et al., 2003 [PubMed 14623098]).

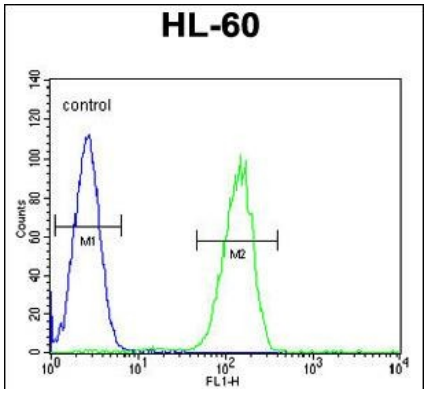
References

Matsuo, A., et al. Biochem. Biophys. Res. Commun. 331(1):363-369(2005)
Fredriksson, R., et al. FEBS Lett. 554(3):381-388(2003)
Vassilatis, D.K., et al. Proc. Natl. Acad. Sci. U.S.A. 100(8):4903-4908(2003)

Images



GPR142 Antibody (N-term) (Cat. #AP11260a) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the GPR142 antibody detected the GPR142 protein (arrow).



GPR142 Antibody (N-term) (Cat. #AP11260a) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.