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Anti-GPR19 Antibody

Rabbit polyclonal antibody to GPR19
Catalog # AP59567

Product Information

Application	WB, IP
Primary Accession	Q15760
Other Accession	Q61121
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47687

Additional Information

Gene ID	2842
Other Names	Probable G-protein coupled receptor 19; GPR-NGA
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GPR19. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IP~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

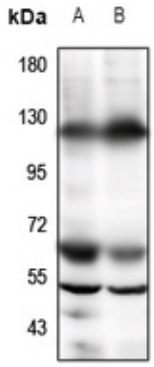
Protein Information

Name	GPR19
Function	G-protein coupled receptor that plays a role in the regulation of circadian rhythms and energy metabolism. Participates in maintaining proper circadian gene expression in the suprachiasmatic nucleus (SCN), the locus of the master circadian clock in the brain (By similarity). May function as a coordinator of aging-associated metabolic dysfunction, stress response, DNA integrity management, and eventual senescence (PubMed:37239845). Upon binding to adropin, modulates mitochondrial energy metabolism via the p44/42-PDK4 signaling pathway, influencing pyruvate dehydrogenase activity (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Abundant expression in the brain.

Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GPR19. The exact sequence is proprietary.

Images



Western blot analysis of GPR19 expression in A375 (A), U87MG (B) whole cell lysates.