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# GPR19 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14898

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q15760 |
| **Other Accession** | NM_006143, NP_006134 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine |
| **Predicted** | Human, Mouse, Rat, Rabbit, Horse, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 47687 |

## Additional Information

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| **Gene ID** | 2842 |
| **Other Names** | Probable G-protein coupled receptor 19, GPR-NGA, GPR19 |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 50 ul of distilled water. Final anti-GPR19 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | GPR19 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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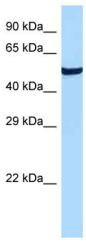
| **Name** | GPR19 |
| **Function** | G-protein coupled receptor that plays a role in the regulation of circadian rhythms and energy metabolism. Participates in maintaining proper circadian gene expression in the suprachiasmatic nucleus (SCN), the locus of the master circadian clock in the brain (By 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. |

## References

O'Dowd B.F.,et al.FEBS Lett. 394:325-329(1996).
Bonner T.I.,et al.Submitted (MAY-1996) to the EMBL/GenBank/DDBJ databases.
Scherer S.E.,et al.Nature 440:346-351(2006).

## Images




WB Suggested Anti-GPR19 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal kidney