



## Anti-Human GPR19 Monoclonal Antibody

Product Code: CABh-24114

Clone: 6A10-F12

For Research Use Only (RUO)

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<b>Alternate Names</b>	probable G-protein coupled receptor 19
<b>Isotype</b>	IgG1
<b>Conjugate</b>	Unconjugated
<b>Background</b>	Human G-protein coupled receptor 19 (GPR19), is 7-transmembrane G protein-coupled receptor (GPCR). It is an orphan Class A GPCR. GPR19 is highly expressed in the central nervous system. It has been proposed that GPR19 binds adropin as a ligand. Strong GPR19 expression has been found in adenocarcinomas, typical and atypical carcinoids of the lung, and small cell lung cancer making it a possible diagnostic or therapeutic target. Human GPR19 protein has >95% and ~83% sequence homology with macaque and mouse GPR19, respectively.

## Product Details

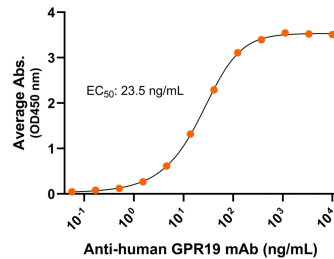
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<b>Specificity</b>	Human
<b>Antibody Type</b>	Monoclonal antibody
<b>Host Species</b>	Mouse
<b>Immunogen</b>	GPR19 N-terminus extracellular domain, the exact sequence of the immunogen is proprietary.; UniProt # Q15760
<b>Formulation / Storage buffer</b>	0.22µm filtered PBS, pH 7.4
<b>Shipping</b>	Frozen Dry Ice
<b>Purification</b>	Affinity Enrichment
<b>Stability &amp; Storage</b>	-80°C
<b>Verified Application</b>	ELISA
<b>Recommended Usage</b>	ELISA: starting concentration 1 µg/mL

## Bioactive Data, Detection of Antigen by:

### ELISA

Anti-human GPR19 Monoclonal Antibody, ELISA  
 0.2µg of GPR19 protein per well



Immobilized human GPR19 fragment at 2 µg/mL (100 µL/well) can bind Mouse Anti-Human GPR19 Monoclonal Antibody (Cat. No. CABh-24114) with half maximal effective concentration (EC50) range of 11.8-47 ng/mL (QC tested).

## Antigen Details

<b>Structure</b>	7-transmembrane protein, G protein-coupled receptor (GPCR)
<b>Function</b>	Antigen Details Structure 7-transmembrane protein, G protein-coupled receptor (GPCR) Function Regulation of circadian rhythms and energy metabolism Ligand Unknown Cell Type central nervous system Molecular Family G protein-coupled receptor Gene ID Q15760
<b>Ligand / Receptor</b>	Unknown
<b>Cell Type</b>	central nervous system
<b>Molecular Family</b>	G protein-coupled receptor
<b>Gene ID</b>	Q15760