GPR17 Polyclonal antibody, PBS Only

Catalog Number:13416-1-PBS

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Basic Information

Catalog Number:
13416-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG4106

GenBank Accession Number:
BC031653

GeneID (NCBI):
2840

UNIPROT ID:
Q13304

Full Name:
G protein-coupled receptor 17

Calculated MW:
367 aa, 41 kDa

Observed MW:
50 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
IF-P, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

GPR17 is a G protein-coupled receptor (GPCR) that plays a significant role in various physiological processes, particularly in the central nervous system (CNS). GPR17 is considered a modulator of CNS myelination and is involved in reconstructing and repairing demyelinating plaques caused by ongoing inflammatory processes, such as in multiple sclerosis (MS). It is present in nerve cells and precursor oligodendrocyte cells, playing a role in the differentiation and maturation of oligodendrocytes (PMID: 32182666). GPR17 is a multifaceted GPCR with implications in immune regulation, glucose metabolism, neurodegenerative diseases, and potentially in treating anxiety disorders.
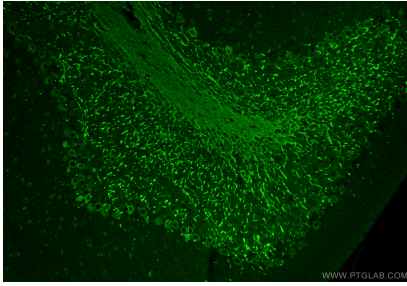
Storage

Storage:
Store at -80℃.
Storage Buffer:
PBS Only

Selected Validation Data

Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse cerebellum tissue using GPR17 antibody (13416-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13416-1-PBS in a different storage buffer formulation.