

GPR17 Polyclonal antibody

Catalog Number: 13416-1-AP

Basic Information

Catalog Number: 13416-1-AP	GenBank Accession Number: BC031653	Purification Method: Antigen affinity purification
Size: 1000 ug/ml	GeneID (NCBI): 2840	Recommended Dilutions: IHC 1:50-1:500 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: Q13304	
Isotype: IgG	Full Name: G protein-coupled receptor 17	
Immunogen Catalog Number: AG4106	Calculated MW: 367 aa, 41 kDa Observed MW: 50 kDa	

Applications

Tested Applications: IHC, IF-P, ELISA	Positive Controls: IHC : mouse cerebellum tissue, IF-P : mouse cerebellum tissue,
Species Specificity: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

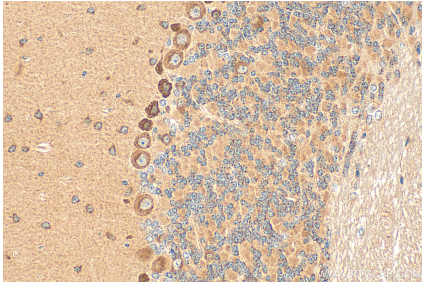
Background Information

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.

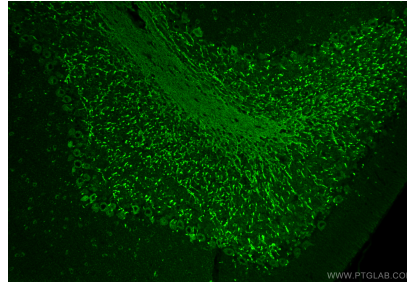
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 13416-1-AP (GPR17 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).