GPR17 Recombinant antibody

Catalog Number:86089-1-RR

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Basic Information

Catalog Number: 86089-1-RR	**GenBank Accession Number:** BC031653	**Purification Method:** Protein A purification
Concentration: 1000 μg/ml	**GeneID (NCBI):** 2840	**CloneNo.:** 250471E11
Source: Rabbit	**UNIPROT ID:** Q13304	**Recommended Dilutions:** WB: 1:5000-1:50000
Isotype: IgG	**Full Name:** G protein-coupled receptor 17	
Immunogen Catalog Number: AG4106	**Calculated MW:** 367 aa, 41 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue, fetal human brain tissue

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℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

Selected Validation Data
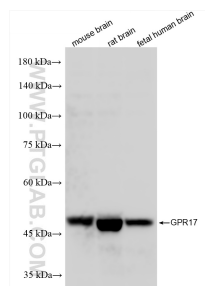
mouse brain tissue were subjected to SDS PAGE followed by western blot with 86089-1-RR (GPR17 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.