

For Research Use Only

# GPR37/Pael-R Polyclonal antibody



Catalog Number: 14820-1-AP

Featured Product

5 Publications

## Basic Information

### Catalog Number:

14820-1-AP

### Size:

150ul, Concentration: 700 µg/ml by Nanodrop and 313 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG6591

### GenBank Accession Number:

BC040007

### GeneID (NCBI):

2861

### Full Name:

G protein-coupled receptor 37 (endothelin receptor type B-like)

### Calculated MW:

67 kDa

### Observed MW:

50-55 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3200

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

IF, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB: mouse brain tissue,

## Background Information

The orphan G protein-coupled receptor GPR37, also known as PAELR (parkin-associated endothelin receptor-like receptor) or ETBR-LP-1 (endothelin B receptor-like protein 1), is a 613 aa, multi-pass membrane protein predominantly expressed in the brain. It is a substrate of parkin (PARK2). When overexpressed in cells, GPR37 tends to become insoluble, unfolded, and ubiquitinated in vivo. Accumulation of the unfolded protein may lead to dopaminergic neuronal death in juvenile Parkinson disease (JPD). This antibody recognizes endogenous GPR37, which migrates as an approximately 50-55 kDa band in SDS-PAGE (PMID:17519329).

## Notable Publications

Author	Pubmed ID	Journal	Application
Beihui Liu	30260505	Glia	WB
Birgit S Berger	28341812	EMBO Rep	WB, IF
Kate Sokolina	28298427	Mol Syst Biol	WB

## 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

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 14820-1-AP (GPR37/Pael-R antibody) at dilution of 1:1600 incubated at room temperature for 1.5 hours.