For Research Use Only

GPR37/Pael-R Polyclonal antibody, PBS Only

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Antibodies | ELISA kits | Proteins
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Catalog Number:29989-1-PBS Featured Product

Basic Information

Catalog Number:
29989-1-PBS

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG32431

GenBank Accession Number:
BC040007

GeneID (NCBI):
2861

UNIPROT ID:
O15354

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

Calculated MW:
67 kDa

Observed MW:
67 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

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).

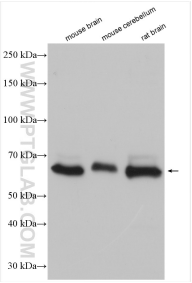
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

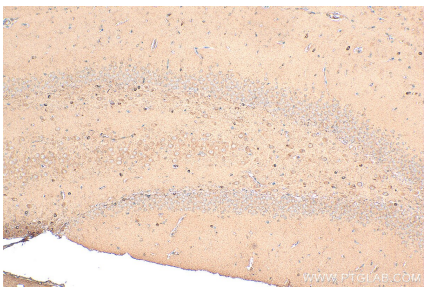
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

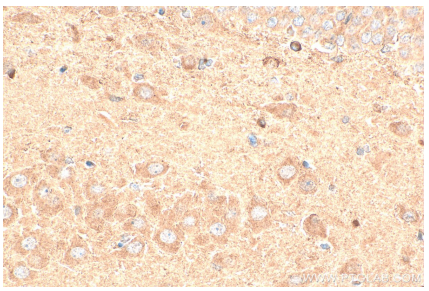
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29989-1-AP (GPR37 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29989-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 29989-1-AP (GPR37/Pael-R antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29989-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 29989-1-AP (GPR37/Pael-R antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29989-1-PBS in a different storage buffer formulation.