

## Product datasheet for **AP13490PU-N**

### GPR37 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide in the C-terminal region of human Pael-R (GPR37).
Specificity:	This antibody reacts to Pael-R (GPR37).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	G protein-coupled receptor 37
Database Link:	<a href="#">Entrez Gene 2861 Human</a> <a href="#">O15354</a>



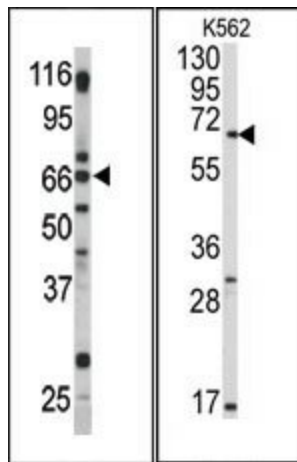
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**Background:**

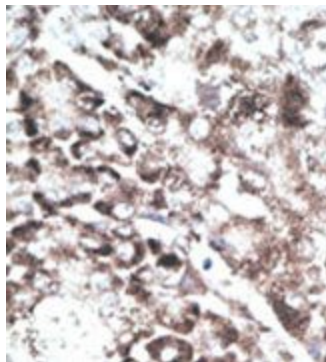
Parkinson is the second most common neurodegenerative disease after Alzheimers. About 1 percent of people over the age of 65 and 3 percent of people over the age of 75 are affected by the disease. The mutation is the most common cause of Parkinson disease identified to date. The function of Park2 is not well-known; however, it may play a role in the ubiquitin-mediated proteolytic pathway. Mutations in this gene are known to cause autosomal recessive juvenile parkinsonism. Alternative splicing of this gene produces three known products of undetermined function. Panneuronal expression of Parkin substrate Pael-R causes age-dependent selective degeneration of *Drosophila* dopaminergic (DA) neurons; coexpression of Parkin degrades Pael-R and suppresses its toxicity.

**Synonyms:**

G-protein coupled receptor 37, PAELR, ETBR-LP-1

**Product images:**


(LEFT)Western blot analysis of anti-Pael-R (GPR37) Pab in mouse brain tissue lysate. Pael-R (GPR37) (arrow) was detected using the purified Pab. (RIGHT)Western blot analysis of anti-Pael-R (GPR37) Antibody (C-term) in K562 cell line lysates (35ug/lane). Pael-R (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.