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Product datasheet for AP06819PU-N

GPR37 (N-term extracell. dom.) Rabbit Polyclonal Antibody

Product data:

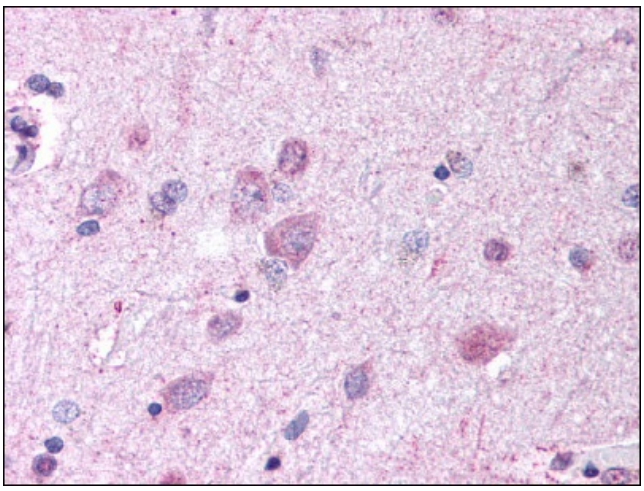
Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	**ELISA**. **Immunohistochemistry on Paraffin Sections:** 3 µg/ml.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	GPR37 antibody was raised against synthetic 20 amino acid peptide from N-terminal extracellular domain of human GPR37.
Specificity:	This antibody detects N-terminal extracellular domain of human PAEL Receptor (GPR37).
Formulation:	PBS containing 0.09% sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C to -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	G protein-coupled receptor 37
Database Link:	Entrez Gene 2861 Human O15354

View online »

Background: GPR37 is an Orphan-A GPCR with an unknown ligand. GPR37 was recently identified as the PAEL receptor, a Parkin substrate involved in autosomal recessive juvenile Parkinson's (PDJ) disease. The PAEL receptor becomes unfolded, insoluble, and ubiquitinated when overexpressed, leading to unfolded protein-induced cell death. When the PAEL receptor is ubiquitinated by Parkin, it gets degraded, resulting in the suppression of cell death. The insoluble form of the PAEL receptor accumulates in the brains of PDJ patients and may cause selective neuronal death.

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

Product images:



Brain, cortex: Formalin-Fixed Paraffin-Embedded (FFPE)