

**Product Name: GPR37 Rabbit Polyclonal Antibody****Catalog #: APRab11678**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	68kDa

**Antigen Information**

<b>Gene Name</b>	GPR37
<b>Alternative Names</b>	GPR37; Probable G-protein coupled receptor 37; Endothelin B receptor-like protein 1; ETBR-LP-1; Parkin-associated endothelin receptor-like receptor; PAELR
<b>Gene ID</b>	2861.0
<b>SwissProt ID</b>	O15354
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GPR37. AA range:211-260

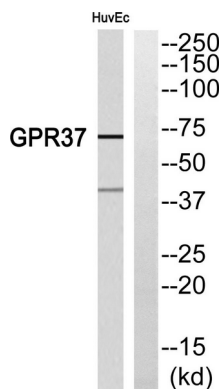
**Background**

This gene is a member of the G protein-coupled receptor family. The encoded protein contains seven transmembrane domains and is found in cell and endoplasmic reticulum membranes. G protein-coupled receptors are involved in translating outside signals into G protein mediated intracellular effects. This gene product interacts with Parkin and is involved in juvenile Parkinson disease. [provided by RefSeq, Oct 2012],function:Orphan receptor. May have a unique functional role in the central nervous system.,PTM:Ubiquitinated by PARK2 in the presence of UBE2E1 and UBE2L3 in the endoplasmic reticulum. The unfolded form is specifically ubiquitinated by SYVN1, which promotes its proteasomal degradation and prevents neuronal cell death.,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Forms a complex with PARK2, STUB1 and HSP70. The amount of STUB1 in the complex increases during ER stress. STUB1 promotes the dissociation of HSP70 from PARK2, thus facilitating PARK2-mediated GPR37 ubiquitination. Interacts with PACRG.,tissue specificity:Expressed in brain and spinal cord, and at lower levels in testis, placenta and liver, but no detectable expression observed in any other tissue. When overexpressed in cells, tends to become insoluble and unfolded. Accumulation of the unfolded protein may lead to dopaminergic neuronal death in juvenile Parkinson disease (PDJ),.

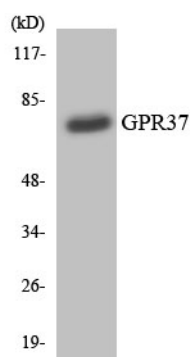
## Research Area

Parkinson's disease;

## Image Data



Western blot analysis of GPR37 Antibody. The lane on the right is blocked with the GPR37 peptide.



Western blot analysis of the lysates from HT-29 cells using GPR37 antibody.