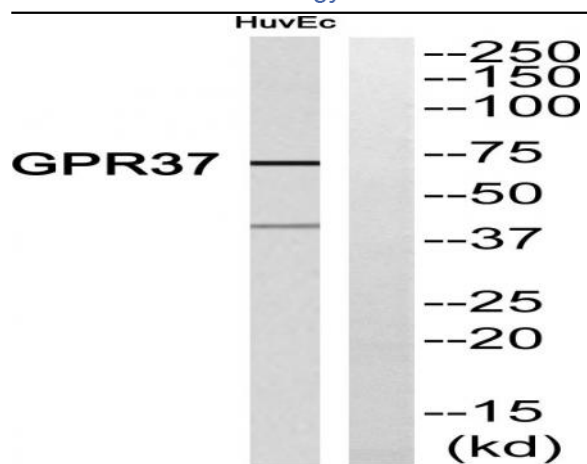


GPR37 Polyclonal Antibody

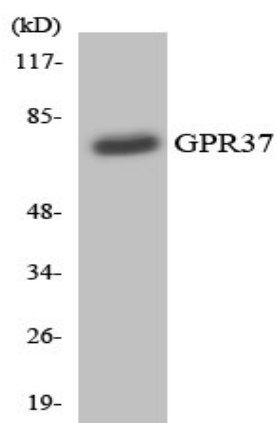
Catalog No :	YT2016
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	GPR37
Fields :	>>Parkinson disease;>>Pathways of neurodegeneration - multiple diseases
Gene Name :	GPR37
Protein Name :	Probable G-protein coupled receptor 37
Human Gene Id :	2861
Human Swiss Prot No :	O15354
Mouse Gene Id :	14763
Mouse Swiss Prot No :	Q9QY42
Rat Gene Id :	117549
Rat Swiss Prot No :	Q9QYC6
Immunogen :	The antiserum was produced against synthesized peptide derived from human GPR37. AA range:211-260
Specificity :	GPR37 Polyclonal Antibody detects endogenous levels of GPR37 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	68kD
Cell Pathway :	Parkinson's disease;
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 :	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
Subcellular Location :	Cell membrane ; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Expression :	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).

Products Images



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.