G 蛋白偶联受体 37 帕金森相关内皮素受体样受体抗体

产品货号： mlR13534

英文名称： GPR37

中文名称： G 蛋白偶联受体 37/帕金森相关内皮素受体样受体抗体

别　　名： GPCR GPR37; EDNRBL; Endothelin B receptor like protein 1; Endothelin B receptor-like protein 1; Endothelin receptor type B like; ETBR LP 1; ETBR-LP-1; ETBRLP1; G protein coupled receptor 37; G protein coupled receptor 37 endothelin receptor type B like; Gpr37; GPR37_HUMAN; hET(B)R LP; hET(B)RLP; PAELR; Parkin associated endothelin receptor like receptor; Parkin-associated endothelin receptor-like receptor; Probable G protein coupled receptor 37; Probable G-protein coupled receptor 37; GPCR 37.

研究领域： 细胞生物　神经生物学　信号转导　G 蛋白偶联受体　G 蛋白信号

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Rabbit,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 67kDa

细胞定位： 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human GPR37:201-300/613 <Extracellular>

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ˚C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20˚C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ˚C.

PubMed : PubMed

产品介绍： Pael receptor (Pael-R), also known as Parkin-associated endothelin receptor-like receptor, is a putative G protein-coupled transmembrane polypeptide. The gene that encodes Pael-R maps to chromosome 7q31. Pael-R belongs to family 1 of the G protein-coupled receptors and is mainly expressed in the brain. Pael-R interacts with Parkin, the gene product responsible for familial Parkinson's disease.

Function:

Orphan receptor. May have a unique functional role in the central nervous system.

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.

Subcellular Location:

Cell membrane. Endoplasmic reticulum membrane.

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).

Post-translational modifications:

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.

DISEASE:

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).

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

O15354

Gene ID:

2861

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片