

Rabbit anti-Human, mouse Pael-R (GPR37) Polyclonal Antibody | anti-GPR37 antibody

Pael-R (GPR37) Antibody (N-term)

CATALOG # AAA285206	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

Pael-R (GPR37); Polyclonal Antibody; Pael-R (GPR37) Antibody (N-term); Prosaposin receptor GPR37; Endothelin B receptor-like protein 1; ETBR-LP-1; G-protein coupled receptor 37; Parkin-associated endothelin receptor-like receptor; PAELR; GPR37; anti-GPR37 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Pael-R (GPR37) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 97-126 amino acids from the N-terminal region of human Pael-R (GPR37).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	97-126
Sequence Length	613
Applicable Applications for anti-GPR37 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Pael Antibody (N-term) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the Pael antibody detected the Pael protein (arrow).



IHC (Immunohistochemistry)

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. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of anti-Pael-R (GPR37) Pab in mouse brain tissue lysate. Pael-R (GPR37) (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GPR37 antibody	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.
Product Categories/Family for anti-GPR37 antibody	Signal Transduction; GPCR Antibodies
References	Yang,Y., et al. Neuron 37 (6), 911-924 (2003) Imai,Y., et al. Mol. Cell 10 (1), 55-67 (2002) Imai,Y., et al. Cell 105 (7), 891-902 (2001) Marazziti,D., et al. Genomics 45 (1), 68-77 (1997) Zeng,Z., et al. BBRC 233 (2), 559-567 (1997)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885323
NCBI GeneID	2861
NCBI Accession #	NP_005293.1
NCBI GenBank Nucleotide #	NM_005302.3
UniProt Accession #	O15354; O00348; O14768; Q8TD39; A4D0Y6
Molecular Weight	67114
NCBI Official Full Name	prosaposin receptor GPR37
NCBI Official Synonym Full Names	G protein-coupled receptor 37 (endothelin receptor type B-like)
NCBI Official Symbol	GPR37
NCBI Official Synonym Symbols	PAELR; EDNRBL; hET(B)R-LP
NCBI Protein Information	prosaposin receptor GPR37
UniProt Protein Name	Prosaposin receptor GPR37
UniProt Gene Name	GPR37
UniProt Synonym Gene Names	ETBR-LP-1; PAELR
UniProt Entry Name	GPR37_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.