

Rabbit GPR3 Polyclonal Antibody | anti-GPR3 antibody

Rabbit Polyclonal to Human GPR3

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51729	Rabbit	Gorilla, Human, Pig Predicted Reactivity: Gibbon, Monkey, Bovine, Horse (at least 90% immunogen sequence identity)	Immunohistochemistry

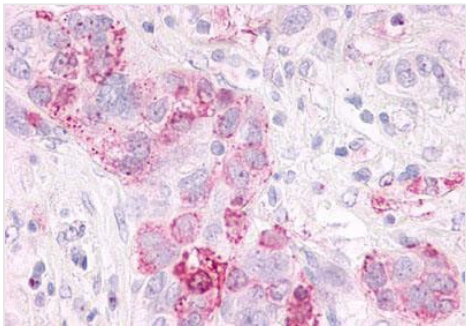
PRODUCT SYNONYMS

GPR3; Polyclonal Antibody; Rabbit Polyclonal to Human GPR3; Anti-GPR3 Antibody (Extracellular Domain) IHC-plus; ACCA; ACCA orphan receptor; G protein-coupled receptor 3; GPCR3; Hacca; G-protein coupled receptor 3; Human GPR3; anti-GPR3 antibody

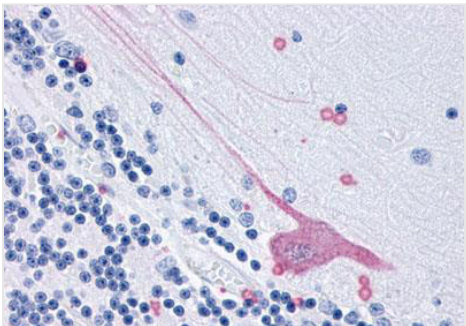
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gorilla, Human, Pig Predicted Reactivity: Gibbon, Monkey, Bovine, Horse (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human GPR3. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except SPPL2A (60%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	330
Applicable Applications for anti-GPR3 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 15 amino acid peptide from 1st extracellular domain of human GPR3. Percent identity with other species by BLAST analysis: Human, Gorilla, Marmoset, Panda, Pig (100%); Gibbon, Monkey, Bovine, Elephant, Horse (93%); Mouse, Rat, Rabbit (87%).
Immunogen Type	Synthetic peptide
Immunogen	GPR3 antibody was raised against synthetic 15 amino acid peptide from 1st extracellular domain of human GPR3. Percent identity with other species by BLAST analysis: Human, Gorilla, Marmoset, Panda, Pig (100%); Gibbon, Monkey, Bovine, Elephant, Horse (93%); Mouse, Rat, Rabbit (87%).
Antigen Modification	Extracellular Domain
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-GPR3 antibody IHC of human Ovary, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-GPR3 antibody IHC of human brain. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-GPR3 antibody	GPR3 has been identified as a constitutively active lysophospholipid/lysosphingolipid receptor. GPR3 receptor is a link in communication between the somatic cells and oocyte of the ovarian follicle where GPR3 maintains meiotic arrest in mouse oocytes. Oocytes from Gpr3 knockout mice resume meiosis within antral follicles, independently of an increase in luteinizing hormone, and this phenotype Mice deficient in GPR3 exhibit premature ovarian failure due to early oocyte aging (Ledent et al. 2005).
Product Categories/Family for anti-GPR3 antibody	Family: GPCR; Subfamily: Lysophospholipid/Lysosphingolipid

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885325
NCBI GeneID	2827
NCBI Accession #	NP_005272.1
NCBI GenBank Nucleotide #	NM_005281.3
UniProt Accession #	P46089; A8K570
Molecular Weight	35,010 Da
NCBI Official Full Name	G-protein coupled receptor 3
NCBI Official Synonym Full Names	G protein-coupled receptor 3
NCBI Official Symbol	GPR3
NCBI Official Synonym Symbols	ACCA
NCBI Protein Information	G-protein coupled receptor 3; ACCA orphan receptor; adenylate cyclase constitutive activator
UniProt Protein Name	G-protein coupled receptor 3
UniProt Gene Name	GPR3
UniProt Synonym Gene Names	ACCA
UniProt Entry Name	GPR3_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.