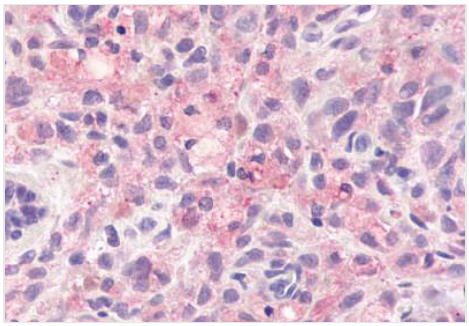
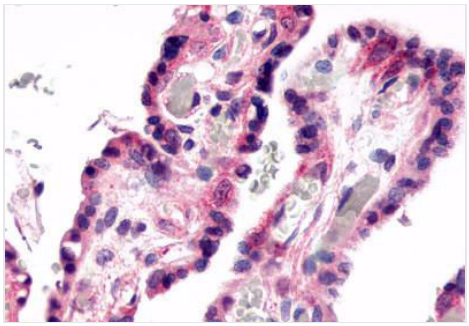
GPR78 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GPR78, Polyclonal Antibody
Full Product Name	Rabbit Polyclonal to Human GPR78
Product Gene Name	anti-GPR78 antibody
Product Synonym Names	Anti-GPR78 Antibody (C-Terminus) IHC-plus; GPR78; G protein-coupled receptor 78; G-protein coupled receptor 78; Human GPR78
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Gorilla, Human
Form/Format	PBS, 0.1% sodium azide.
Purity/Purification	Immunoaffinity Purified
Concentration	1 mg/ml (lot specific)
Specificity	Human GPR78. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C
Molecular Weight	39,332 Da
OMIM	606921
3D Structure	ModBase 3D Structure for Q96P69
Target Species	Human
Immunogen Description	Synthetic 19 amino acid peptide from C-terminus of human GPR78. Percent identity with other species by BLAST analysis: Human, Gorilla (100%).
Immunogen Type	Synthetic peptide
Immunogen	GPR78 antibody was raised against synthetic 19 amino acid peptide from C-terminus of human GPR78. Percent identity with other species by BLAST analysis: Human, Gorilla (100%).
Antigen Modification	C-Terminus
Product Categories/Family for anti-GPR78 antibody	Family: GPCR; Subfamily: Orphan-U
Applications Tested/Suitable for anti-GPR78 antibody	Immunohistochemistry (IHC - Paraffin)
Application Notes for anti-GPR78 antibody	IHC-P (3 - 6 ug/ml)
Related Product Information for anti-GPR78 antibody	MBS243757 is an antibody targeting GPR78. Also known as Rabbit Polyclonal to Human GPR78. Reactive in Gorilla, Human. Host: Rabbit. G protein-coupled receptor GPR78 is an Orphan-U GPCR with an unknown ligand.
Other Notes	Small volumes of anti-GPR78 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-GPR78 antibody
Anti-GPR78 antibody IHC of human Skin, Melanoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry (IHC) of anti-GPR78 antibody
Anti-GPR78 antibody IHC of human placenta, villi. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GPR78. It may not necessarily be applicable to this product.

NCBI GI #	36951034
NCBI GeneID	27201
NCBI Accession #	NP_543009.2
UniProt Primary Accession #	Q96P69
UniProt Secondary Accession #	Q8NGV3
UniProt Related Accession #	Q96P69
GenBank Nucleotide #	NM_080819.4
NCBI Official Full Name	G-protein coupled receptor 78
NCBI Official Synonym Full Names	G protein-coupled receptor 78
NCBI Official Symbol	GPR78
UniProt Protein Name	G-protein coupled receptor 78
Protein Family	G-protein coupled receptor
UniProt Gene Name	GPR78
UniProt Entry Name	GPR78_HUMAN
NCBI Protein Information	G-protein coupled receptor 78
NCBI Summary for GPR78	The protein encoded by this gene belongs to the G protein-coupled receptor family, which contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. This is an orphan receptor, which displays significant level of constitutive activity. Association analysis shows preliminary evidence for the involvement of this gene in susceptibility to bipolar affective disorder and schizophrenia. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2011]

UniProt Comments for GPR78	GPR78: Orphan receptor. Displays a significant level of constitutive activity. Its effect is mediated by G(s)-alpha protein that stimulate adenylate cyclase, resulting in an elevation of intracellular cAMP. Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, integral; GPCR, family 1; Receptor, GPCR; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 4p16.1 Cellular Component: integral to membrane; plasma membrane Molecular Function: G-protein coupled receptor activity Biological Process: G-protein signaling, adenylate cyclase activating pathway
Research Articles on GPR78	**1.** Observational study of gene-disease association. (HuGE Navigator)
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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