

Rabbit anti-Human, Mouse GPER1 Polyclonal Antibody | anti-GPER1 antibody

GPER1 Antibody

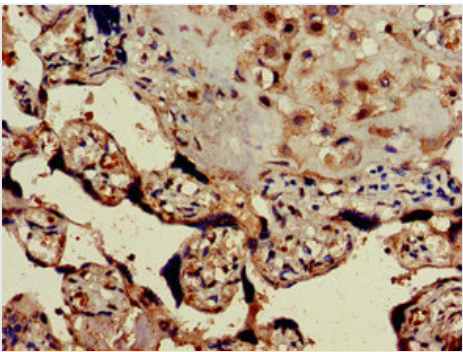
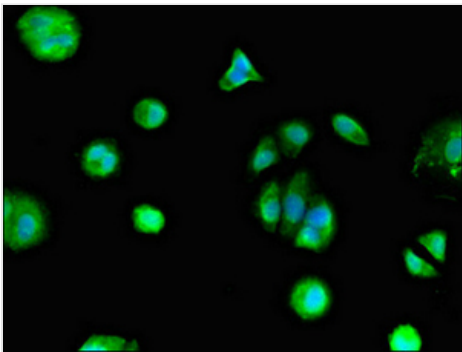
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233428	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

GPER1; Polyclonal Antibody; GPER1 Antibody; G-protein coupled estrogen receptor 1; Chemoattractant receptor-like 2; Flow-induced endothelial G-protein coupled receptor 1; FEG-1; G protein-coupled estrogen receptor 1; G-protein coupled receptor 30; GPCR-Br; IL8-related receptor DRY12; Lymphocyte-derived G-protein coupled receptor; LYGPR; Membrane estrogen receptor; mER; CEPR; CMKRL2; DRY12; GPER; GPR30; anti-GPER1 antibody

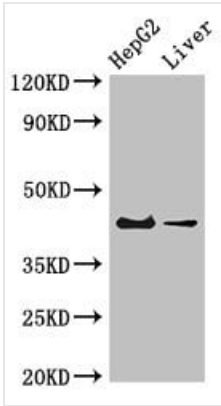
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	375
Applicable Applications for anti-GPER1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human G-protein coupled estrogen receptor 1 protein (1-62AA)
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Species	Homo sapiens (Human)
Research Area	Neuroscience
Target Names	GPER1
Preparation and Storage	Upon receipt store at -20 degree C or -80 degree C. Avoid repeated freeze.



IF (Immunofluorescence)
Immunofluorescent analysis of MCF-7 cells using AAA233428 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human placenta tissue using AAA233428 at dilution of 1:100



WB (Western Blot)
Western BlotPositive WB detected in: HepG2 whole cell lysate,Mouse liver tissueAll lanes: GPER1 antibody at 4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 43 KDaObserved band size: 43 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-GPER1 antibody

G-protein coupled estrogen receptor that binds to 17-beta-estradiol (E2) with high affinity, leading to rapid and transient activation of numerous intracellular signaling pathways. Stimulates cAMP production, calcium mobilization and tyrosine kinase Src inducing the release of heparin-bound epidermal growth factor (HB-EGF) and subsequent transactivation of the epidermal growth factor receptor (EGFR), activating downstream signaling pathways such as PI3K/Akt and ERK/MAPK. Mediates pleiotropic functions among others in the cardiovascular, endocrine, reproductive, immune and central nervous systems. Has a role in cardioprotection by reducing cardiac hypertrophy and perivascular fibrosis in a RAMP3-dependent manner. Regulates arterial blood pressure by stimulating vasodilation and reducing vascular smooth muscle and microvascular endothelial cell proliferation. Plays a role in blood glucose homeostasis contributing to the insulin secretion response by pancreatic beta cells. Triggers mitochondrial apoptosis during pachytene spermatocyte differentiation. Stimulates uterine epithelial cell proliferation. Enhances uterine contractility in response to oxytocin. Contributes to thymic atrophy by inducing apoptosis. Attenuates TNF-mediated endothelial expression of leukocyte adhesion molecules. Promotes neuritogenesis in developing hippocampal neurons. Plays a role in acute neuroprotection against NMDA-induced excitotoxic neuronal death. Increases firing activity and intracellular calcium oscillations in luteinizing hormone-releasing hormone (LHRH) neurons. Inhibits early osteoblast proliferation at growth plate during skeletal development. Inhibits mature adipocyte differentiation and lipid accumulation. Involved in the recruitment of beta-arrestin 2 ARRB2 at the plasma membrane in epithelial cells. Functions also as a receptor for aldosterone mediating rapid regulation of vascular contractibility through the PI3K/ERK signaling pathway. Involved in cancer progression regulation. Stimulates cancer-associated fibroblast (CAF) proliferation by a rapid genomic response through the EGFR/ERK transduction pathway. Associated with EGFR, may act as a transcription factor activating growth regulatory genes (c-fos, cyclin D1). Promotes integrin alpha-5/beta-1 and fibronectin (FN) matrix assembly in breast cancer cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	91106714
NCBI GeneID	2852
NCBI Accession #	NP_001035055.1
NCBI GenBank Nucleotide #	NM_001039966.1
UniProt Accession #	Q99527; O00143; O43494; Q13631; Q6FHL1; Q96F42; Q99981; A8K6C5; B5BUJ1
NCBI Official Full Name	G-protein coupled estrogen receptor 1
NCBI Official Synonym Full Names	G protein-coupled estrogen receptor 1
NCBI Official Symbol	GP1R
NCBI Official Synonym Symbols	mER; CEPR; GP1R; DRY12; FEG-1; GPR30; LERGU; LyGPR; CMKRL2; LERGU2; GPCR-Br
NCBI Protein Information	G-protein coupled estrogen receptor 1
UniProt Protein Name	G-protein coupled estrogen receptor 1
UniProt Gene Name	GP1R
UniProt Synonym Gene Names	CEPR; CMKRL2; DRY12; GP1R; GPR30; FEG-1; LYGPR; mER

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gper1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/233428>