

Rabbit anti-Human, Mouse GPR68 Polyclonal Antibody | anti-GPR68 antibody

GPR68 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323576	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

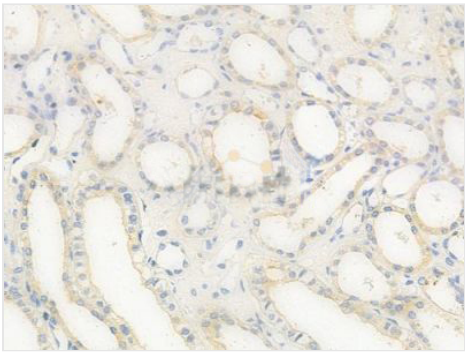
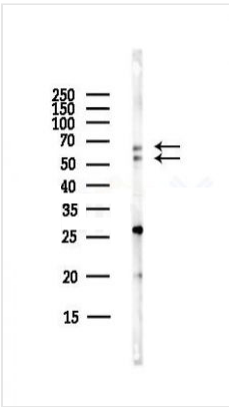
PRODUCT SYNONYMS

GPR68; Polyclonal Antibody; GPR68 Antibody; G protein coupled receptor 68; G-protein coupled receptor 68; GPR 12A; GPR 68; GPR12A; Gpr68; MGC111379; MGC156983; OGR 1; OGR-1; OGR1; OGR1_HUMAN; Ovarian cancer G protein coupled receptor 1; Ovarian cancer G-protein coupled receptor 1; Sphingosylphosphorylcholine receptor; anti-GPR68 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	GPR68 antibody detects endogenous levels of total GPR68
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	365
Applicable Applications for anti-GPR68 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Application Notes	IHC: 1:50-1:200; IF/ICC: 1:100-1:500. For Western Blot, incubated with diluted primary antibody in 5% w/v milk, 1xTBS, 0.1% Tween 20 at 4C with gentle shaking overnight.
Immunogen	A synthesized peptide derived from human OGR1/GPR68, corresponding to a region within the internal amino acids.
Subcellular Location	Cell Membrane
Tissue Specificity	Found at low level in a wide range of tissues, but significantly expressed in lung, kidney, bone and nervous system.
Conjugation	Unconjugated
Preparation and Storage	Store at -20C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
DF2759 at 1/100 staining human normal kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-rabbit antibody was used as the secondary antibody.

WB (Western Blot)
Western blot analysis of lysates from HeLa cells (starvation, 24h treatment), using OGR1/GPR68 Antibody at 1/1000 dilution. 5µg/NC membrane strip. Exposure for 10s with ECL Kit. Bands result from membrane strip incubation.

ADDITIONAL INFORMATION

Related Product Information for anti-GPR68 antibody	Description: Proton-sensing receptor involved in pH homeostasis. May represents an osteoblastic pH sensor regulating cell-mediated responses to acidosis in bone. Mediates its action by association with G proteins that stimulates inositol phosphate (IP) production or Ca2(+) mobilization. The receptor is almost silent at pH 7.8 but fully activated at pH 6.8. Function also as a metastasis suppressor gene in prostate cancer. Function: Proton-sensing receptor involved in pH homeostasis. May represents an osteoblastic pH sensor regulating cell-mediated responses to acidosis in bone. Mediates its action by association with G proteins that stimulates inositol phosphate (IP) production or Ca2+ mobilization. The receptor is almost silent at pH 7.8 but fully activated at pH 6.8. Function also as a metastasis suppressor gene in prostate cancer (By similarity). Similarity: Belongs to the G-protein coupled receptor 1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	295054325
NCBI GeneID	8111
NCBI Accession #	NP_001171147.1
NCBI GenBank Nucleotide #	NM_001177676.1
UniProt Accession #	Q15743; Q13334; Q4VBB4; Q6IX34
Molecular Weight	40-70kDa
NCBI Official Full Name	ovarian cancer G-protein coupled receptor 1
NCBI Official Synonym Full Names	G protein-coupled receptor 68
NCBI Official Symbol	GPR68
NCBI Official Synonym Symbols	OGR1; AI2A6; GPR12A
NCBI Protein Information	ovarian cancer G-protein coupled receptor 1
UniProt Protein Name	Ovarian cancer G-protein coupled receptor 1
UniProt Gene Name	GPR68
UniProt Synonym Gene Names	OGR1; OGR-1

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.

