

Rabbit anti-Human PTGR1 Polyclonal Antibody | anti-PTGR1 antibody

PTGR1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324878	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

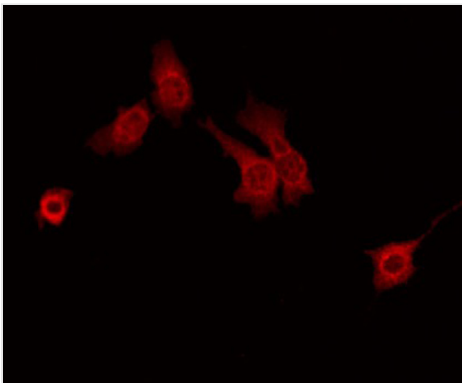
PRODUCT SYNONYMS

PTGR1; Polyclonal Antibody; PTGR1 Antibody; 15-oxoprostaglandin 13-reductase; FLJ99229; leukotriene B4 12-hydroxydehydrogenase; LTB4DH; MGC34943; NADP-dependent leukotriene B4 12-hydroxydehydrogenase; PGR1; PRG-1; Prostaglandin reductase 1; Ptgr1; PTGR1_HUMAN; RP11-16L21.1; ZADH3; zinc binding alcohol dehydrogenase domain containing 3; anti-PTGR1 antibody

PRODUCT SPECIFICATIONS

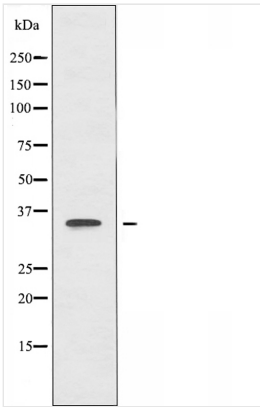
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	PTGR1 antibody detects endogenous levels of total PTGR1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	329
Applicable Applications for anti-PTGR1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm.
Tissue Specificity	High expression in the kidney, liver, and intestine but not in leukocytes.
Predicted Cross Reactivity	Pig, Horse, Dog, Chicken
Similarity	Pig (89%), Horse (89%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324878 staining HT29 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HT-29 cells, using PTGR1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PTGR1 antibody

Function: Functions as 15-oxo-prostaglandin 13-reductase and acts on 15-oxo-PGE1, 15-oxo-PGE2 and 15-oxo-PGE2-alpha. Has no activity towards PGE1, PGE2 and PGE2-alpha (By similarity). Catalyzes the conversion of leukotriene B4 into its biologically less active metabolite, 12-oxo-leukotriene B4. This is an initial and key step of metabolic inactivation of leukotriene B4.
Subunit Structure: Monomer or homodimer.
Similarity: Belongs to the NADP-dependent oxidoreductase L4BD family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	226059159
NCBI GeneID	22949
NCBI Accession #	NP_001139580.1
NCBI GenBank Nucleotide #	NM_001146108.1
UniProt Accession #	Q14914; Q8IYQ0; Q9H1X6; A8K0N2; B4DPK3; F5GY50
Molecular Weight	Observed: 36 kD Predicted: 36 kDa
NCBI Official Full Name	prostaglandin reductase 1 isoform 1
NCBI Official Synonym Full Names	prostaglandin reductase 1
NCBI Official Symbol	PTGR1
NCBI Official Synonym Symbols	PGR1; ZADH3; LTB4DH
NCBI Protein Information	prostaglandin reductase 1
UniProt Protein Name	Prostaglandin reductase 1
UniProt Gene Name	PTGR1
UniProt Synonym Gene Names	LTB4DH; PRG-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.

