

Rabbit anti-Human PTGR2 Polyclonal Antibody | anti-PTGR2 antibody

Anti-PTGR2 Antibody, Rabbit Polyclonal

CATALOG # AAA256900	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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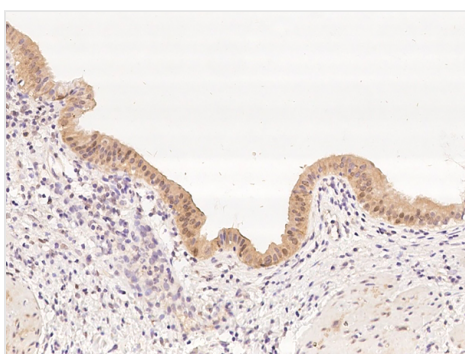
PRODUCT SYNONYMS

PTGR2; Polyclonal Antibody; Anti-PTGR2 Antibody; Rabbit Polyclonal; PTGR2 Antibody; Rabbit PAb; Antigen Affinity Purified; prostaglandin reductase 2; Anti-HEL-S-298 Antibody; Anti-PGR2 Antibody; Anti-ZADH1 Antibody; anti-PTGR2 antibody

PRODUCT SPECIFICATIONS

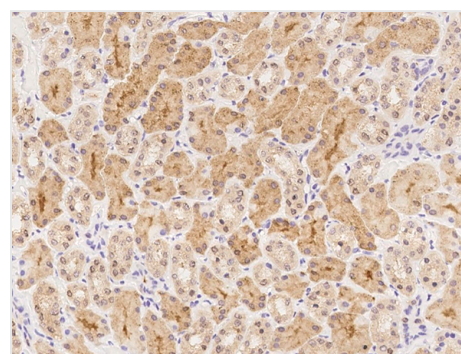
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PTGR2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PTGR2 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human PTGR2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PTGR2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human PTGR2 in human gallbladder with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human PTGR2 in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PTGR2 antibody	PTGR2 (Prostaglandin Reductase 2) is a Protein Coding gene. The PTGR2 gene, located on 14q24.3, is conserved in chimpanzee, Rhesus monkey, dog, and cow, etc. PTGR2 is the enzyme that catalyzes 15-keto-PGE2, an endogenous PPARgamma ligand, into 13, 14-dihydro-15-keto-PGE2. PTGR2 catalyzes an NADPH-dependent reduction of the conjugated alpha, the beta-unsaturated double bond of 15-keto-PGE(2), a key step in terminal inactivation of prostaglandins and suppression of PPARgamma-mediated adipocyte differentiation. Selective inhibition of PTGR2 may contribute to the improvement of insulin sensitivity with fewer side effects. PTGR2 belongs to the medium-chain dehydrogenase/reductase superfamily. Scientists have reported a novel oncogenic role of PTGR2 in gastric cancer, where PTGR2 was discovered to modulate ROS-mediated cell death and tumor transformation.
References	Wu YH, et al. (2008) Structural basis for catalytic and inhibitory mechanisms of human prostaglandin reductase ptgr2. Structure 16 (11): 1714-1723.Chang EY, et al. (2016) Inhibition of prostaglandin reductase 2, a putative oncogene overexpressed in human pancreatic adenocarcinoma, induces oxidative stress-mediated cell death involving xct and cth gene expressions through 15-keto-pge2. PLoS One 11 (1): e0147390.

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/ptgr2-antibody-immunohistochemistry-elisa/256900>