

PTGR2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12869a

Specification

PTGR2 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O8N8N7
Other Accession	NP_001139626.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	38499
Antigen Region	65-94

PTGR2 Antibody (N-term) - Additional Information

Gene ID 145482

Other Names

Prostaglandin reductase 2, PRG-2,
15-oxoprostaglandin 13-reductase,
Zinc-binding alcohol dehydrogenase
domain-containing protein 1, PTGR2,
ZADH1

Target/Specificity

This PTGR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 65-94 amino acids from the N-terminal region of human PTGR2.

Dilution

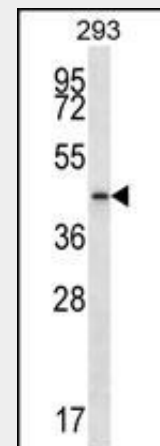
WB~~1:1000
IHC-P~~1:10~50

Format

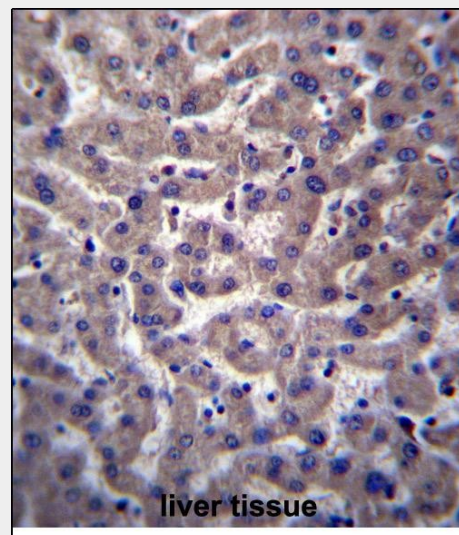
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



PTGR2 Antibody (N-term) (Cat. #AP12869a) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the PTGR2 antibody detected the PTGR2 protein (arrow).



PTGR2 Antibody (N-term) (Cat. #AP12869a) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PTGR2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Precautions

PTGR2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PTGR2 Antibody (N-term) - Protein Information

Name PTGR2 ([HGNC:20149](#))

Synonyms ZADH1

Function

Functions as 15-oxo-prostaglandin 13-reductase and acts on 15-keto-PGE1, 15-keto-PGE2, 15-keto-PGE1-alpha and 15-keto-PGE2-alpha with highest activity towards 15-keto-PGE2 (PubMed:[19000823](http://www.uniprot.org/citations/19000823) target="_blank">19000823). Overexpression represses transcriptional activity of PPARG and inhibits adipocyte differentiation (By similarity).

Cellular Location

Cytoplasm.

Tissue Location

Widely expressed..

PTGR2 Antibody (N-term) - Background

This gene encodes an enzyme involved in the metabolism of prostaglandins. The encoded protein catalyzes the NADPH-dependent conversion of 15-keto-prostaglandin E2 to 15-keto-13,14-dihydro-prostaglandin E2. This protein may also be involved in regulating activation of the peroxisome proliferator-activated receptor. Alternative splicing results in multiple transcript variants.

PTGR2 Antibody (N-term) - References

Wu, Y.H., et al. Structure 16(11):1714-1723(2008)
Gao, K., et al. Int. J. Oncol. 32(6):1343-1349(2008)
Chou, W.L., et al. J. Biol. Chem. 282(25):18162-18172(2007)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Zhang, L., et al. Cytogenet. Genome Res. 103 (1-2), 79-83 (2003) :

PTGR2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)