

Product Name: PTGR2 Rabbit Polyclonal Antibody**Catalog #: AP Rab16645**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	35kDa

Antigen Information

Gene Name	PTGR2
Alternative Names	PTGR2; ZADH1; Prostaglandin reductase 2; PRG-2; 15-oxoprostaglandin 13-reductase; Zinc-binding alcohol dehydrogenase domain-containing protein 1
Gene ID	145482.0
SwissProt ID	Q8N8N7
Immunogen	The antiserum was produced against synthesized peptide derived from human ZADH1. AA range:181-230

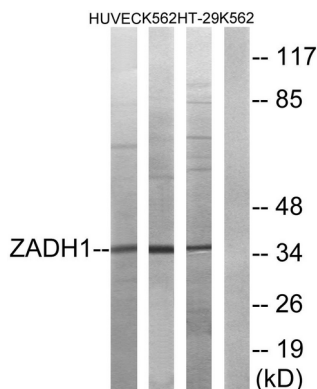
Background

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. [provided by RefSeq, Apr 2009], catalytic activity: 11- α -hydroxy-9,15-dioxoprost-5-enoate + NAD(P)(+) = (5Z)-(13E)-11- α -hydroxy-9,15-dioxoprost-5,13-dienoate + NAD(P)H, cofactor: NADPH, function: Functions as 15-oxo-prostaglandin 13-reductase and acts on 15-keto-PGE1, 15-keto-PGE2, 15-keto-PGE1- α and 15-keto-PGE2- α with highest activity towards 15-keto-PGE2. Overexpression represses transcriptional activity of PPARG and inhibits adipocyte differentiation, similarity: Belongs to the NADP-dependent oxidoreductase L4BD family, subunit: Monomer, tissue specificity: Widely expressed,

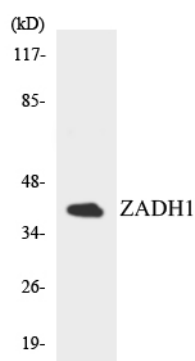
Research Area

Cell Biology; Other Antibodies; Oxidative Stress; Metabolism; Pathways and Processes; Redox metabolism

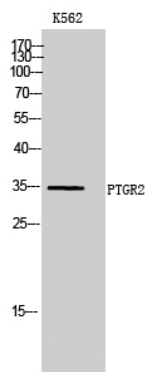
Image Data



Western blot analysis of lysates from K562, HUVEC, and HT-29 cells, using ZADH1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using ZADH1 antibody.



Western Blot analysis of K562 cells using PTGR2 Polyclonal Antibody