



PTGR2 Monoclonal Antibody

Catalog No	YP-mAb-02771
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PTGR2
Immunogen	The antiserum was produced against synthesized peptide derived from human ZADH1. AA range:181-230
Specificity	PTGR2 Monoclonal Antibody detects endogenous levels of PTGR2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PGR2;PRG 2;prostaglandin reductase 2;PTGR2;ZADH1;PRG-2;15-oxoprostaglandin 13-reductase;Zinc-binding alcohol dehydrogenase domain-containing protein 1
Observed Band	35kD
Calculated Molecular Weight	35kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Widely expressed.
Function	catalytic activity:11-alpha-hydroxy-9,15-dioxoprost-5-enoate + NAD(P)(+) = (5Z)-(13E)-11-alpha-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-alpha and 15-keto-PGE2-alpha 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.,



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],

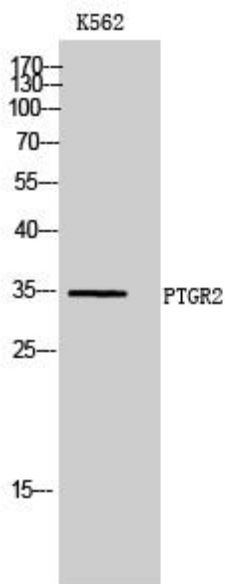
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PTGR2 Monoclonal Antibody