

PTGR2 Polyclonal Antibody

Catalog No :	YT3896
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	PTGR2
Gene Name :	PTGR2
Protein Name :	Prostaglandin reductase 2
Human Gene Id :	145482
Human Swiss Prot No :	Q8N8N7
Mouse Swiss Prot No :	Q8VDQ1
Immunogen :	The antiserum was produced against synthesized peptide derived from human ZADH1. AA range:181-230
Specificity :	PTGR2 Polyclonal Antibody detects endogenous levels of PTGR2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	35kD

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],

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.,

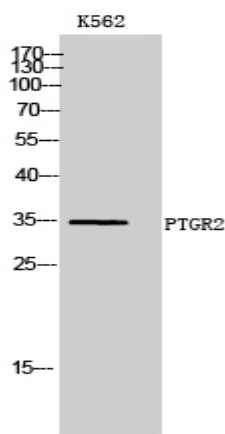
Subcellular Location :

Cytoplasm .

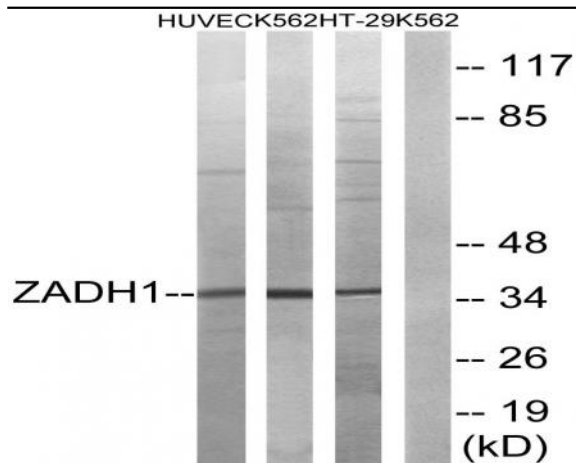
Expression :

Widely expressed.

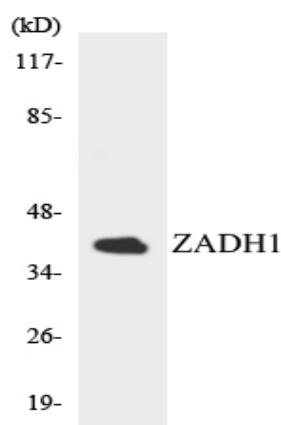
Products Images



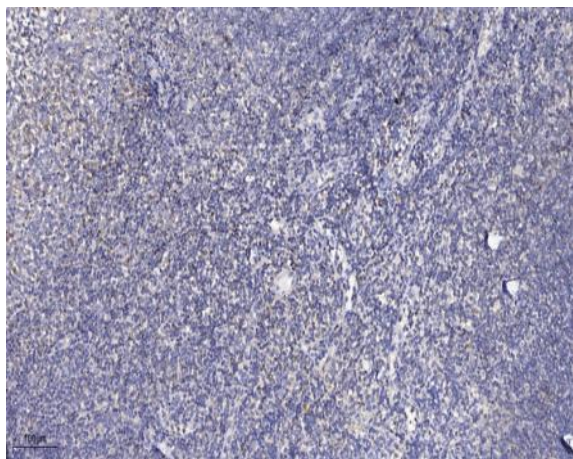
Western Blot analysis of K562 cells using PTGR2 Polyclonal Antibody



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.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).