

PTGR2 Polyclonal Antibody

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|------------------------------|---|
| 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.

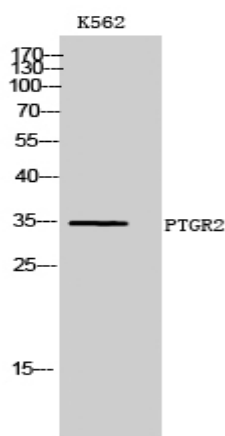
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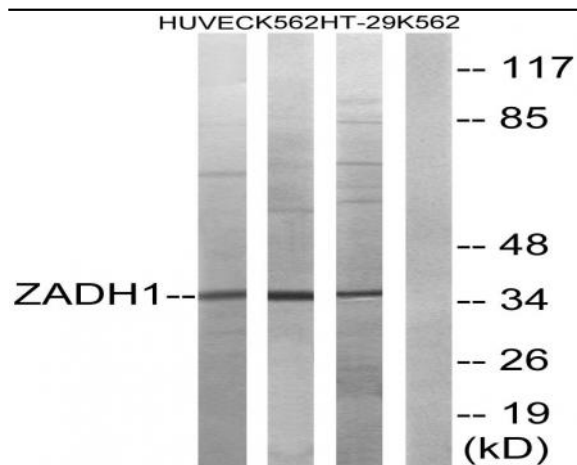
Host : Rabbit

Modifications : Unmodified

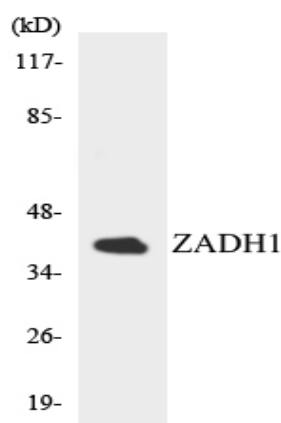
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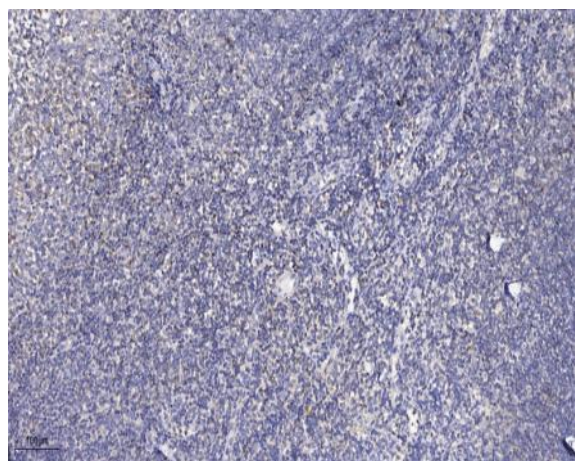
Western Blot analysis of K562 cells using PTGR2 Polyclonal Antibody



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).