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Anti-PTGR2 Antibody

Catalog # AP51458

Product Information

Application	WB, IHC
Primary Accession	Q8N8N7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38499

Additional Information

Gene ID	145482
Other Names	ZADH1; Prostaglandin reductase 2; PRG-2; 15-oxoprostaglandin 13-reductase; Zinc-binding alcohol dehydrogenase domain-containing protein 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PTGR2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

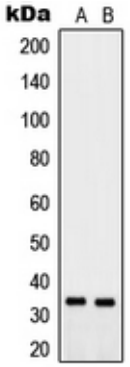
Protein Information

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). Overexpression represses transcriptional activity of PPARG and inhibits adipocyte differentiation (By similarity).
Cellular Location	Cytoplasm.
Tissue Location	Widely expressed..

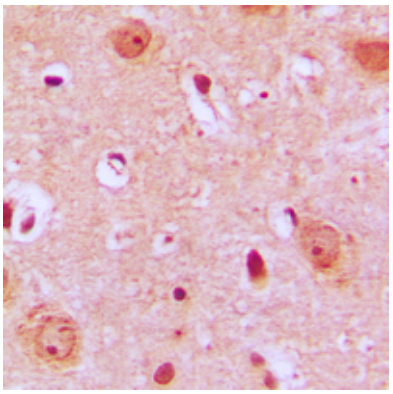
References

Zhang L.,et al.Cytogenet. Genome Res. 103:79-83(2003).
Zheng H.,et al.Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of PTGR2 expression in MCF7 (A), PC12 (B) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 35 kD)



Immunohistochemical analysis of PTGR2 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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