Best Tools for immunology Research

LTB4DH Polyclonal Antibody

Catalog No :	YT2597
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	LTB4DH
Gene Name :	PTGR1
Protein Name :	Prostaglandin reductase 1
Human Gene Id :	22949
Human Swiss Prot No :	Q14914
Mouse Swiss Prot No :	Q91YR9
Immunogen :	The antiserum was produced against synthesized peptide derived from human PTGR1. AA range:75-124
Specificity :	LTB4DH Polyclonal Antibody detects endogenous levels of LTB4DH 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. ELISA: 1:5000. Not yet tested in other applications.
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 :	36kD

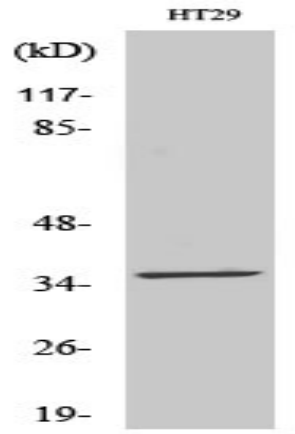
Background : This gene encodes an enzyme that is involved in the inactivation of the chemotactic factor, leukotriene B4. The encoded protein specifically catalyzes the NADP+ dependent conversion of leukotriene B4 to 12-oxo-leukotriene B4. A pseudogene of this gene is found on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2009],

Function : catalytic activity:11-alpha-hydroxy-9,15-dioxoprost-5-enoate + NAD(P)(+) = (5Z)-(13E)-11-alpha-hydroxy-9,15-dioxoprosta-5,13-dienoate + NAD(P)H.,catalytic activity:n-alkanal + NAD(P)(+) = alk-2-enal + NAD(P)H.,function:Functions as 15-oxo-prostaglandin 13-reductase and acts on 15-oxo-PGE1, 15-oxo-PGE2 and 15-oxo-PGE2-alpha. Has no activity towards PGE1, PGE2 and PGE2-alpha (By similarity). Catalyzes the conversion of leukotriene B4 into its biologically less active metabolite, 12-oxo-leukotriene B4. This is an initial and key step of metabolic inactivation of leukotriene B4.,similarity:Belongs to the NADP-dependent oxidoreductase L4BD family.,subunit:Monomer or homodimer.,tissue specificity:High expression in the kidney, liver, and intestine but not in leukocytes.,

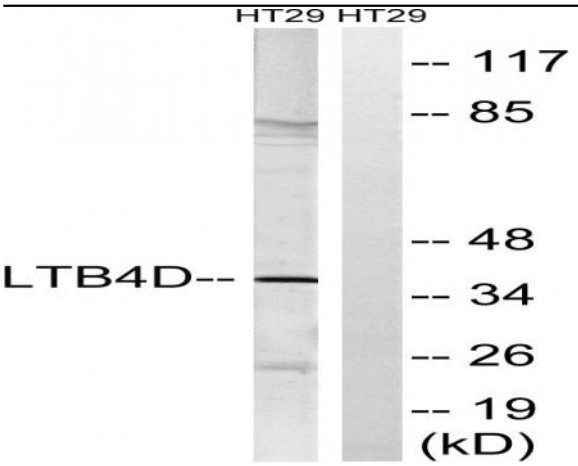
Subcellular Location : Cytoplasm .

Expression : High expression in the kidney, liver, and intestine but not in leukocytes.

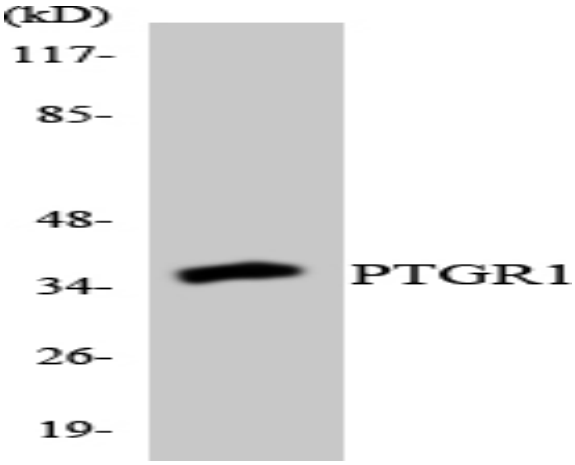
Products Images



Western Blot analysis of various cells using LTB4DH Polyclonal Antibody



Western blot analysis of lysates from HT-29 cells, using PTGR1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using PTGR1 antibody.