

Anti-PTGR1 / LTB4DH Antibody (aa75-124)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18363**Specification**

Anti-PTGR1 / LTB4DH Antibody (aa75-124) - Product Information

Application	WB, IHC-P, E
Primary Accession	Q14914
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	35870

Anti-PTGR1 / LTB4DH Antibody (aa75-124) - Additional Information**Gene ID** 22949

Alias Symbol	PTGR1
Other Names	
PTGR1, PGR1, ZADH3, PRG-1, LTB4DH, Prostaglandin reductase 1	

Target/Specificity

PTGR1 Antibody detects endogenous levels of total PTGR1 protein.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-PTGR1 / LTB4DH Antibody (aa75-124) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-PTGR1 / LTB4DH Antibody (aa75-124) - Protein Information**Name** PTGR1**Synonyms** LTB4DH**Function**

NAD(P)H-dependent oxidoreductase involved in metabolic inactivation of pro- and anti-inflammatory eicosanoids: prostaglandins (PG), leukotrienes (LT) and lipoxins (LX) (PubMed:25619643). Catalyzes with high efficiency the reduction of the 13,14 double bond of 15- oxoPGs, including 15-oxo-PGE1, 15-oxo-PGE2, 15-oxo-PGF1-alpha and 15- oxo-PGF2-alpha (PubMed:25619643). Catalyzes with lower efficiency the oxidation of the hydroxyl group at C12 of LTB4 and its derivatives, converting them into biologically less active 12-oxo-LTB4 metabolites (PubMed:25619643) (By

similarity). Reduces 15-oxo-LXA4 to 13,14 dihydro-15-oxo-LXA4, enhancing neutrophil recruitment at the inflammatory site (By similarity). May play a role in metabolic detoxification of alkenals and ketones. Reduces alpha,beta-unsaturated alkenals and ketones, particularly those with medium-chain length, showing highest affinity toward (2E)-decenal and (3E)-3-nonen-2-one (PubMed:25619643). May inactivate 4-hydroxy-2-nonenal, a cytotoxic lipid constituent of oxidized low-density lipoprotein particles (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q29073}.

Tissue Location

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

Anti-PTGR1 / LTB4DH Antibody (aa75-124) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-PTGR1 / LTB4DH Antibody (aa75-124) - Images