



PGE synthase rabbit pAb

Cat No.:ES3188

For research use only

Overview

Product Name	PGE synthase rabbit pAb
Host species	Rabbit
Applications	WB;ELISA;IHC
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Immunogen	The antiserum was produced against synthesized peptide derived from human PGE synthase. AA range:30-79
Specificity	PGE synthase Polyclonal Antibody detects endogenous levels of PGE synthase protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Prostaglandin E synthase
Gene Name	PTGES
Cellular localization	Membrane ; Multi-pass membrane protein . Cytoplasm, perinuclear region . Colocalizes with PTGS1/COX-1 and PTGS2/COX-2 in the perinuclear compartment. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	17kD
Human Gene ID	9536
Human Swiss-Prot Number	O14684
Alternative Names	PTGES; MGST1L1; MPGES1; PGES; PIG12; Prostaglandin E synthase; Microsomal glutathione S-transferase 1-like 1; MGST1-L1; Microsomal prostaglandin E synthase 1; MPGES-1; p53-induced gene 12 protein
Background	prostaglandin E synthase(PTGES) Homo sapiens





The protein encoded by this gene is a glutathione-dependent prostaglandin E synthase. The expression of this gene has been shown to be induced by proinflammatory cytokine interleukin 1 beta (IL1B). Its expression can also be induced by tumor suppressor protein TP53, and may be involved in TP53 induced apoptosis. Knockout studies in mice suggest that this gene may contribute to the pathogenesis of collagen-induced arthritis and mediate acute pain during inflammatory responses. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using PGE synthase Polyclonal Antibody diluted at 1:500

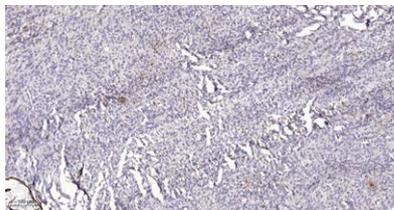


Western blot analysis of lysate from A549 cells, using PGE synthase antibody.





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Immunohistochemical analysis of paraffin-embedded human Colon cancer. 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, 45min).



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