

Product name:	PGDH (9T2) Rabbit Monoclonal Antibody
Cat number:	MABN16028
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant protein of human Prostaglandin dehydrogenase 1
Reactivity:	Human
Applications:	WB 1:1000-1:5000,IHC 1:500-1:2000,ICC/IF 1:100-1:200,FC 1:50-1:100
Molecular Weight:	29kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	Prostaglandin inactivation. Contributes to the regulation of events that are under the control of prostaglandin levels. Catalyzes the NAD-dependent dehydrogenation of lipoxin A4 to form 15-oxo-lipoxin A4. Inhibits in vivo proliferation of colon cancer cells. Primary enzyme catalyzing the conversion of hydroxylated arachidonic acid species to their corresponding oxidized metabolites (Probable). Prostaglandin inactivation, catalyzes the first step in the catabolic pathway of the prostaglandins. Contributes to the regulation of events that are under the control of prostaglandin levels (PubMed:15574495, PubMed:16828555, PubMed:8086429). Catalyzes the NAD- dependent dehydrogenation of lipoxin A4 to form 15-oxo-lipoxin A4 (PubMed:10837478). Converts 11(R)-HETE to 11-oxo-5,8,12,14-(Z,Z,E,Z)- eicosatetraenoic acid (ETE) (PubMed:21916491). Has hydroxylated docosahexaenoic acid metabolites as substrates (PubMed:25586183). Converts resolvins E1, D1 and D2 to their oxo products which represents a mode of resolvins inactivation and stabilizes their anti-inflammatory actions (PubMed:16757471, PubMed:22844113).