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Recombinant Anti-PGD Rabbit mAb

Catalog # AP95363

Product Information

Application	WB, FC, IP, IF/IC
Primary Accession	P52209
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	53140

Additional Information

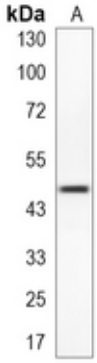
Gene ID	5226
Other Names	PGDH; 6-phosphogluconate dehydrogenase, decarboxylating
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human PGD protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

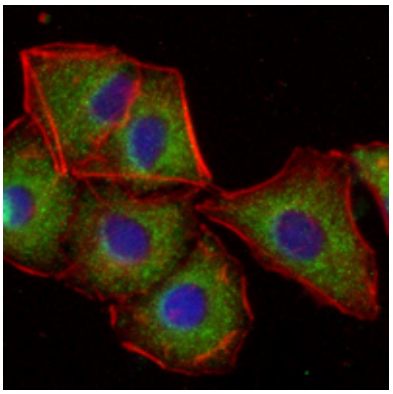
Protein Information

Name	PGD
Synonyms	PGDH
Function	Catalyzes the oxidative decarboxylation of 6-phosphogluconate to ribulose 5-phosphate and CO(2), with concomitant reduction of NADP to NADPH.
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:P85968}.

Images

Western blot analysis of PGD expression in HEK293T (A) whole cell lysates. (Predicted band size: 53 kD; Observed band size: 45 kD)





Immunofluorescent analysis of PGD staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.