

Product Datasheet

PGD Antibody - BSA Free NBP1-31589

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-31589

PGD Antibody - BSA Free

Product Information

Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	0.1M Tris (pH 7), 0.1M Glycine, 10% Glycerol
Target Molecular Weight	53 kDa

Product Description

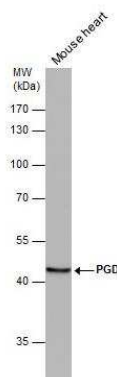
Host	Rabbit
Gene ID	5226
Gene Symbol	PGD
Species	Human, Mouse
Reactivity Notes	Xenopus laevis (85%) and Zebrafish (86%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human PGD. The exact sequence is proprietary.

Product Application Details

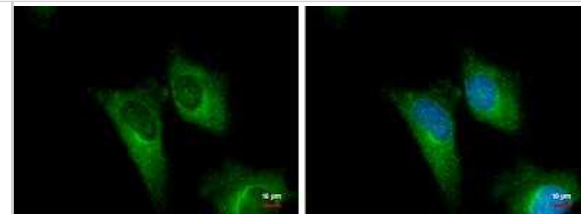
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

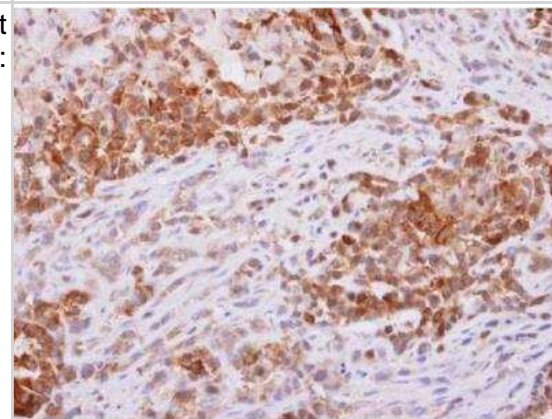
Western Blot: PGD Antibody [NBP1-31589] - Mouse tissue extracts (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with PGD antibody [N1N3] diluted at 1:1000.



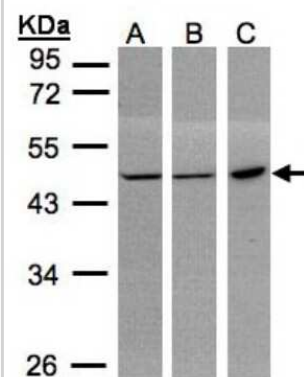
Immunocytochemistry/Immunofluorescence: PGD Antibody [NBP1-31589] - HeLa cells were fixed in ice-cold MeOH for 5 min. Green: PGD protein stained by PGD antibody [N1N3] diluted at 1:500. Blue: Hoechst 33342 staining.



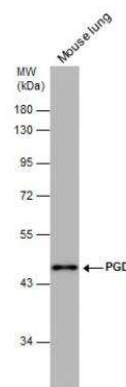
Immunohistochemistry-Paraffin: PGD Antibody [NBP1-31589] - protein at cytoplasm on A549 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded A549 xenograft.



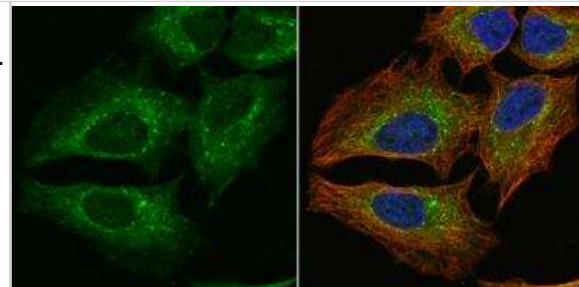
Western Blot: PGD Antibody [NBP1-31589] - Sample(30 ug whole cell lysate)A:293T B:MOLT4 C:Raji 10% SDS PAGE, antibody diluted at 1:1000.



Western Blot: PGD Antibody [NBP1-31589] - Mouse tissue extracts (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with PGD antibody [N1N3] diluted at 1:500.



Immunocytochemistry/Immunofluorescence: PGD Antibody [NBP1-31589] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: PGD protein stained by PGD antibody [N1N3] diluted at 1:1000. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody diluted at 1:1000. Blue: Hoechst 33342 staining.



Publications

Emmanuel Benichou, Bolaji Seffou, Selin Topçu, Ophélie Renoult, Véronique Lenoir, Julien Planchais, Caroline Bonner, Catherine Postic, Carina Prip-Buus, Claire Pecqueur, Sandra Guilmeau, Marie-Clotilde Alves-Guerra, Renaud Dentin The transcription factor ChREBP Orchestrates liver carcinogenesis by coordinating the PI3K/AKT signaling and cancer metabolism Nature Communications 2024-02-29 [PMID: 38424041]

Pushpak Bhattacharjee, Die Wang, Dovile Anderson, Joshua N Buckler, Eveline de Geus, Feng Yan, Galina Polekhina, Ralf Schittenhelm, Darren J Creek, Lawrence D Harris, Anthony J Sadler The immune response to RNA suppresses nucleic acid synthesis by limiting ribose 5-phosphate The EMBO Journal 2024-05-22 [PMID: 38778156]

Elf S, Lin R, Xia S et al. Targeting 6-phosphogluconate dehydrogenase in the oxidative PPP sensitizes leukemia cells to antimalarial agent dihydroartemisinin. Oncogene 2016-06-06 [PMID: 27270429] (Human)

Lemons JM, Feng XJ, Bennett BD et al. Quiescent fibroblasts exhibit high metabolic activity. PLoS Biol 2010-10-01 [PMID: 21049082] (WB)



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Products Related to NBP1-31589

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-85925PEP	PGD Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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