

Product Datasheet

PDK3 Antibody NBP1-32581

Unit Size: 0.1 ml

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

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NBP1-32581**PDK3 Antibody****Product Information**

Unit Size	0.1 ml
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	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol, 1% BSA
Target Molecular Weight	47 kDa

Product Description

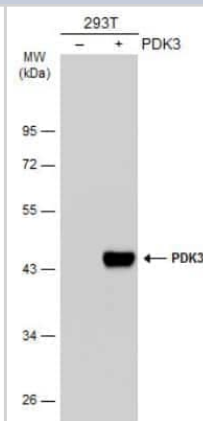
Description	Novus Biologicals Rabbit PDK3 Antibody (NBP1-32581) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PDK3 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5165
Gene Symbol	PDK3
Species	Human, Mouse, Squirrel, Xenopus
Reactivity Notes	Frog (100%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human PDK3. The exact sequence is proprietary.

Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
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

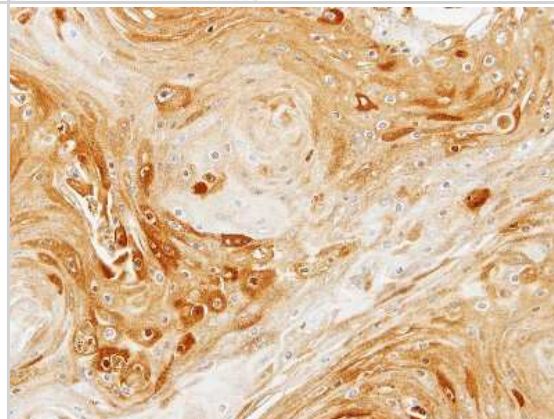
Western Blot: PDK3 Antibody [NBP1-32581] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with PDK3 antibody [N1C2] diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



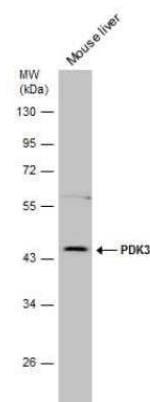
Immunocytochemistry/Immunofluorescence: PDK3 Antibody [NBP1-32581] - Methanol-fixed HepG2, using PDK3(NBP1-32581) antibody at 1:200 dilution.



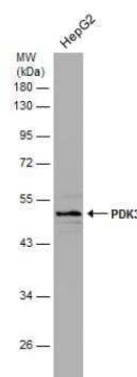
Immunohistochemistry-Paraffin: PDK3 Antibody [NBP1-32581] - Ca922 xenograft, using PDK3 antibody at 1:100 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



Western Blot: PDK3 Antibody [NBP1-32581] - Mouse tissue extract (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with PDK3 antibody [N1C2] diluted at 1:500.



Western Blot: PDK3 Antibody [NBP1-32581] - Whole cell extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with PDK3 antibody [N1C2] diluted at 1:1000.



Publications

□korja Mili? N, Dolinar K, Mi□ K et al. Suppression of Pyruvate Dehydrogenase Kinase by Dichloroacetate in Cancer and Skeletal Muscle Cells Is Isoform Specific and Partially Independent of HIF-1? International Journal of Molecular Sciences 2021-08-10 [PMID: 34445316] (Human)

Yang ES, Do Y, Cheon SY et al. Andrographolide suppresses aerobic glycolysis and induces apoptotic cell death by inhibiting pyruvate dehydrogenase kinase 1 expression Oncology reports 2023-04-01 [PMID: 36825595] (WB, Human)

Details:

Dilution used in WB 1:000 in 5% skim milk

Schoonjans CA, Joudiou N, Brusa D et al. Acidosis-induced metabolic reprogramming in tumor cells enhances the anti-proliferative activity of the PDK inhibitor dichloroacetate Cancer Lett. 2020-02-01 [PMID: 31812695] (WB, Human)

Hou X, Zhang L, Han L et al. Differential function of pyruvate dehydrogenase kinases during mouse oocyte maturation. J. Cell. Sci. 2015-05-19 [PMID: 25991547] (ICC/IF, Mouse)

Ho N, Coomber BL. Pyruvate dehydrogenase kinase expression and metabolic changes following dichloroacetate exposure in anoxic human colorectal cancer cells. Exp Cell Res 2015-02-01 [PMID: 25536473] (Human)





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Products Related to NBP1-32581

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-56356PEP	PDK3 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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