Product Datasheet

PTPRH Antibody - BSA Free
NBP2-20005

Unit Size: 0.1 ml

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

www.novusbio.com technical@novusbio.com

Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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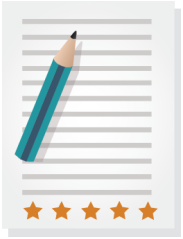
Updated 9/25/2025 v.20.1



NBP2-20005

PTPRH Antibody - BSA Free

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	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	0.1M Tris, 0.1M Glycine, 20% Glycerol
Target Molecular Weight	122 kDa

Product Description

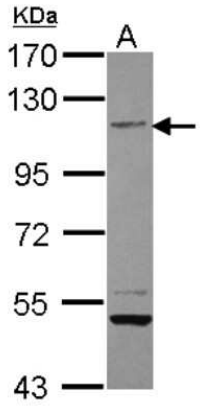
Description	Novus Biologicals Rabbit PTPRH Antibody - BSA Free (NBP2-20005) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PTPRH Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5794
Gene Symbol	PTPRH
Species	Human, Rat
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (80%)
Immunogen	Recombinant protein encompassing a sequence within the C-terminus region of human PTPRH. The exact sequence is proprietary.

Product Application Details

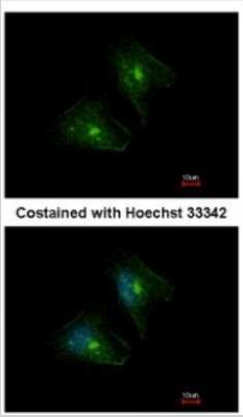
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

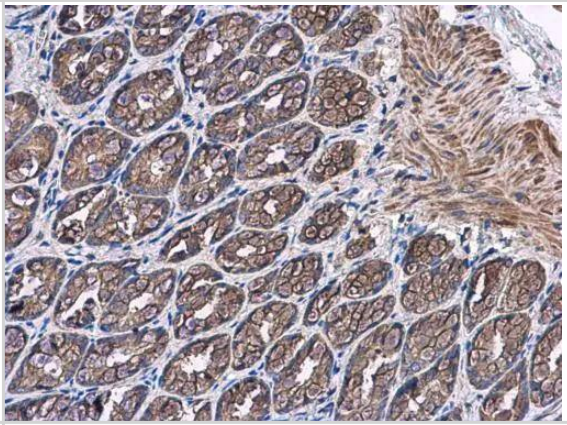
Western Blot: PTPRH Antibody [NBP2-20005] - Sample (30 ug of whole cell lysate) A: HeLa 7. 5% SDS PAGE gel, diluted at 1:1000.



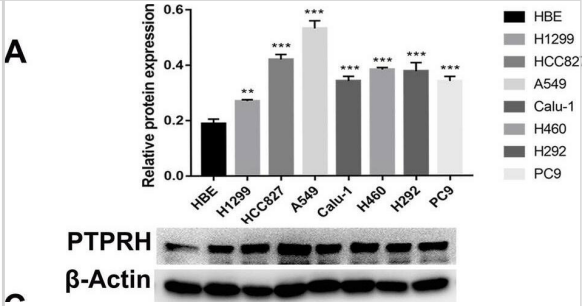
Immunocytochemistry/Immunofluorescence: PTPRH Antibody [NBP2-20005] - Immunofluorescence analysis of methanol-fixed HeLa, using antibody at 1:500 dilution.



PTPRH antibody [C2C3], C-term detects PTPRH protein at cytoplasm in rat colon by immunohistochemical analysis.
Sample: Paraffin-embedded rat colon.
PTPRH antibody [C2C3], C-term (NBP2-20005) diluted at 1:500.
br>Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



PTPRH promoted proliferation in NSCLC. A, B Detection of PTPRH expression using RT–PCR and western blotting. C, D Expression of PTPRH after transfection by western blotting analysis and RT–PCR. E The results of the colony formation assay.) F 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide (MTT) assay. G, H 5-ethynyl-2′-deoxyuridine (EdU) assay show that PTPRH enhances the proliferation ability of NSCLC cells Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/37974250), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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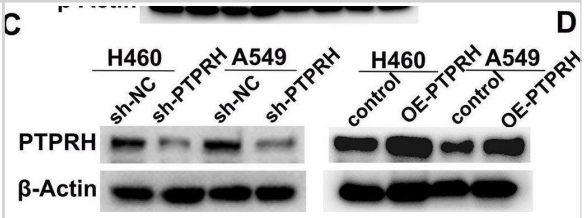
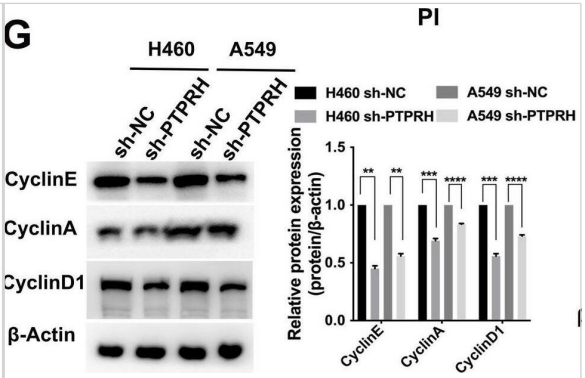
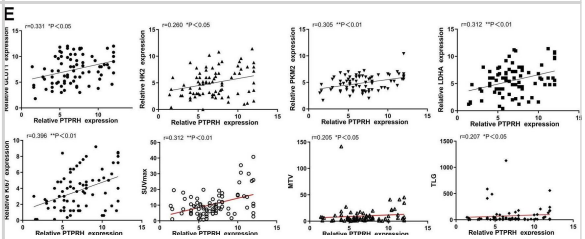


PTPRH inhibited cell cycle arrest and apoptosis. A, B Gene Set Enrichment Analysis (GSEA) of PTPRH. C, D Flow cytometry analysis of the apoptotic effect of PTPRH on NSCLC and statistical analysis. E, F Flow cytometry analysis of the effects of PTPRH expression on the cell cycle in NSCLC and statistical analysis. G Western blotting results showing the effects of short hairpin RNA-PTPRH (sh-PTPRH) treatment on cell cycle-related proteins. H Western blotting results showing the effects of sh-PTPRH treatment on the expression of apoptotic proteins Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/37974250), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Correlation of PTPRH expression with 18F-fluorodeoxyglucose (18F-FDG) semiquantitative indicators, the expression of proliferation markers and the expression of glycolysis-related proteins. A, B Detection of PTPRH expression by immunohistochemistry (×400). C Correlation of PTPRH expression with 18F-FDG accumulation and the expression levels of Ki67. D In patients with high levels of PTPRH expression, immunohistochemical staining revealed high expression levels of GLUT1, HK2, PKM2, and LDHA (×400), whereas patients with low levels of PTPRH expression expressed low levels of GLUT1, HK2, PKM2 and LDHA (× 400). E The expression levels of PTPRH correlated positively with SUVmax, MTV, and TLG values and the expression of Ki67, GLUT1, HK2, PKM2, LDHA. 18F-FDG: 18F-fluorodeoxyglucose; GLUT1: glucose transporter type 1; HK2: hexokinase 2; PKM2: pyruvate kinase M2; LDHA: lactate dehydrogenase A; SUVmax: maximum standard uptake value Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/37974250), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Wang S, Cheng Z, Cui Y et al. PTPRH promotes the progression of non-small cell lung cancer via glycolysis mediated by the PI3K/AKT/mTOR signaling pathway Journal of translational medicine 2023-11-16 [PMID: 37974250] (WB, IHC, Human)

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Products Related to NBP2-20005

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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