Product Datasheet

PURL Antibody - BSA Free
NBP1-84691

Unit Size: 0.1 ml

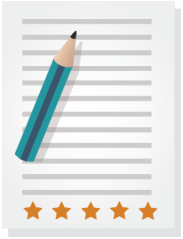
Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-84691

Updated 1/20/2026 v.20.1



NBP1-84691

PURL 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	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

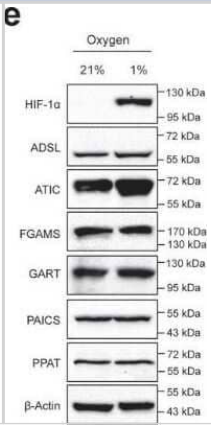
Description	Novus Biologicals Rabbit PURL Antibody - BSA Free (NBP1-84691) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PURL Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5198
Gene Symbol	PFAS
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ALERVLRLPAVASKRYLTNKVDRSVGGLVAQQQCVGPLQTPLADVAVVALSHEELIGAATALGEQPVKSLLDPKVAARLAVAEALTNLVFALVTDLRDVKCSG

Product Application Details

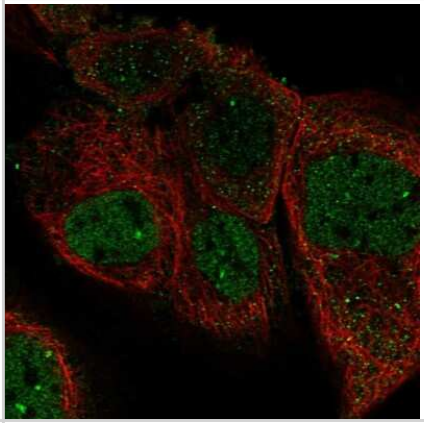
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

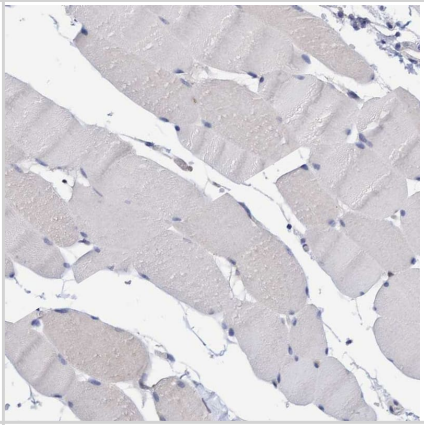
PURL-Antibody-Western-Blot-NBP1-84691-img0024.jpg



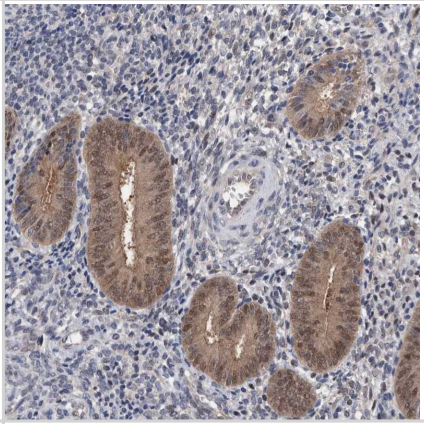
Immunocytochemistry/Immunofluorescence: PURL Antibody [NBP1-84691] - Staining of human cell line A-431 shows localization to nucleoplasm. Antibody staining is shown in green. Antibody staining is shown in green.



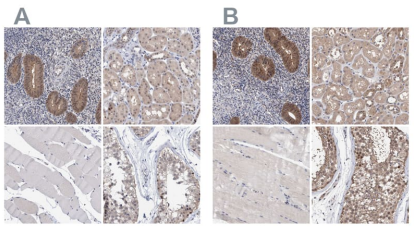
Staining of human skeletal muscle shows no positivity in myocytes.

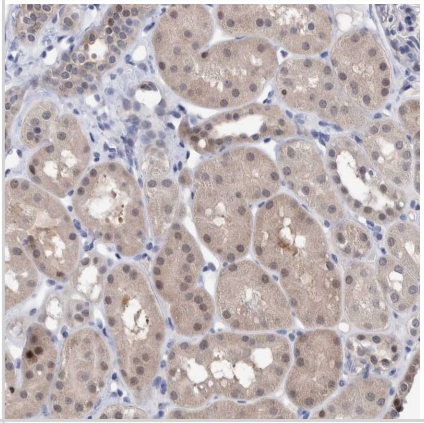
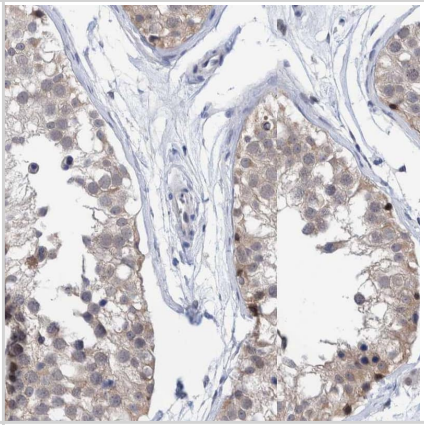
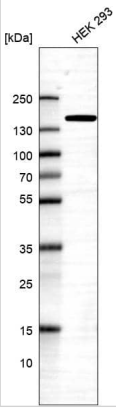


Staining of human endometrium shows moderate cytoplasmic positivity in glandular cells with weak nucleus positivity.

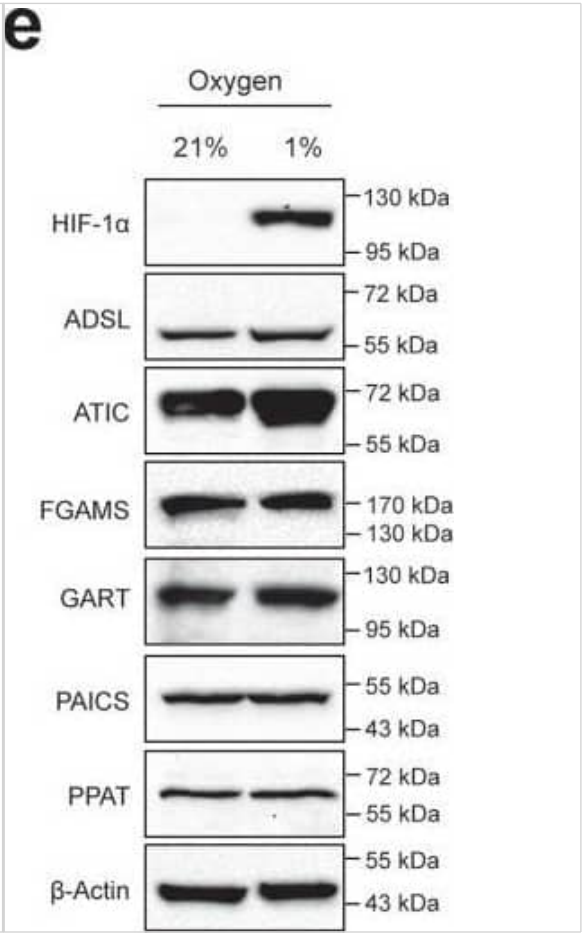


Staining of human endometrium, kidney, skeletal muscle and testis using Anti-PFAS antibody HPA022886 (A) shows similar protein distribution across tissues to independent antibody HPA022140 (B).



Staining of human kidney shows moderate cytoplasmic positivity in cells in tubules with weak nucleus positivity.	
Staining of human testis shows moderate cytoplasmic positivity in cells in seminiferous ducts with weak nucleus positivity.	
Analysis in human cell line HEK 293.	

The role of HIF-1 in purinosome formation.a, quantifying the number of purinosome-containing cells in normoxia or hypoxia (24 h) in purine-rich medium and normoxia in purine-depleted medium (purine -ve), cells in hypoxia transfected with siRNA to HIF-1α (+ siRNA), and cells in purine-rich medium supplemented with DFX. Data shown are n = 3, mean +/- S.E., total number of cells counted are shown in parentheses. b, time course of purinosome formation in hypoxia shows the number of purinosome-containing cells steadily increases after 3 h in hypoxia. Re-oxygenation of the samples after hypoxic incubation for 10 h reverts the number purinosome-containing cells back to normoxic levels. Data shown is n = 3, mean +/- S.E., total number of cells counted are shown in parentheses. c, time course of HIF-1α stabilization in hypoxia shows maximum HIF-1α protein expression levels at 3 h in hypoxia, after which the HIF-1α expression decreases. The positions of molecular markers are shown for each blot; uncropped blots with overlaid markers are deposited in the raw data files. d, the effect of hypoxia on the transcription of purine biosynthesis enzymes measured by qPCR. Vascular endothelial growth factor (VEGF) and HIF-1α are controls. Data shown are n = 5, mean +/- S.E. e, the effect of hypoxia on the protein expression levels of the purine biosynthetic enzymes. HIF-1α is stabilized in hypoxia as expected, and no significant increase in the purine enzymes was detected between normoxic (21% oxygen) and hypoxic (1% oxygen) growth conditions. The positions of molecular markers surrounding each band of interest are shown for each blot; uncropped blots with overlaid markers are deposited in the raw data files. Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/32439803), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Chou MC, Wang YH, Chen FY et al. PAICS ubiquitination recruits UBAP2 to trigger phase separation for purinosome assembly Molecular cell 2023-10-10 [PMID: 37848033] (ICC/IF, Human)

Doigneaux C, Pedley AM, Mistry IN et al. Hypoxia Drives the Assembly of the Multi-Enzyme Purinosome Complex J. Biol. Chem. 2020-05-21 [PMID: 32439803] (ICC/IF, Human)

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Products Related to NBP1-84691

NBP1-84691PEP	PURL Recombinant Protein Antigen
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

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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