Product Datasheet

Influenza A H1N1 PB1 Antibody
NBP2-42877

Unit Size: 0.1 ml

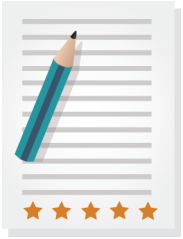
Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-42877

Updated 9/25/2025 v.20.1



NBP2-42877

Influenza A H1N1 PB1 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, 1% BSA, 20% Glycerol
Target Molecular Weight	87 kDa

Product Description

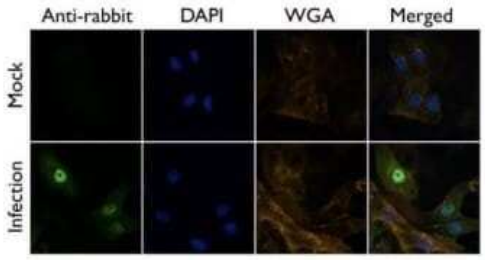
Description	Novus Biologicals Rabbit Influenza A H1N1 PB1 Antibody (NBP2-42877) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-Influenza A H1N1 PB1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Species	Virus
Reactivity Notes	Influenza A virus
Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of Influenza A virus PB1 (A/Puerto Rico/8/1934(H1N1)). The exact sequence is proprietary.

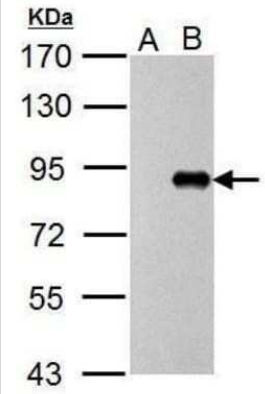
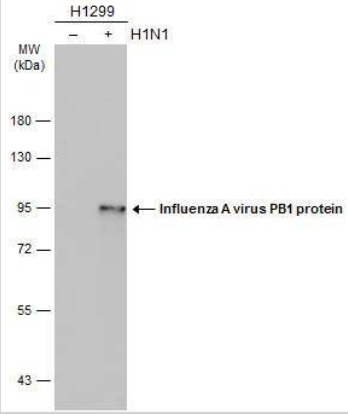
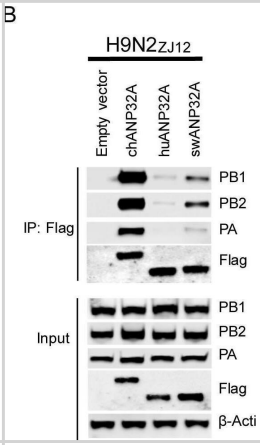
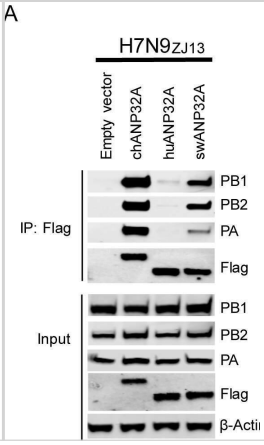
Product Application Details

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

Images

Immunocytochemistry/Immunofluorescence: Influenza A H1N1 PB1 Antibody [NBP2-42877] - Analysis of A/WSN/33 infected Vero cells were fixed in 4% paraformaldehyde at RT for 20 min. Green: PB1 protein stained by Influenza A H1N1 PB1 antibody diluted at 1:500. Blue: DAPI staining. Yellow: WGA life stained at 37-C,30 min.



Western Blot: Influenza A H1N1 PB1 Antibody [NBP2-42877] - Analysis of : A. 5 ug DF1 whole cell lysate/extract (untreated) B. 5 ug DF1 whole cell lysate/extract (WSN virus treatment for 10hr) 7.5 % SDS-PAGE Influenza A H1N1 PB1 antibody.	
Non-infected (-) and infected (+) H1299 whole cell extracts (5 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Influenza A virus PB1 protein antibody (NBP2-42877) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.	
ANP32A proteins from different species interact with different polymerase trimeric complexes.DKO cells were transfected with different ANP32A (0.6μg) and polymerase plasmids (0.6μg PA, 1μg PB1, and 1μg PB2) from avian influenza viruses H7N9ZJ13(A), H9N2ZJ12(B), human influenza virus polymerase WSN (C). The cells were lysed at 24 h post-transfection. Co-IP was performed using Anti-FLAG M2 Magnetic Beads, followed by Western blotting to detect the ANP32A and viral proteins by using specific antibodies: PA antibody (NBP2-42874, NOVUS), PB1 antibody (NBP2-42877, NOVUS), PB2 antibody (NBP2-42879, NOVUS), Anti-Flag antibody (F1804, SIGMA). Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/32084248), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	
ANP32A proteins from different species interact with different polymerase trimeric complexes.DKO cells were transfected with different ANP32A (0.6μg) and polymerase plasmids (0.6μg PA, 1μg PB1, and 1μg PB2) from avian influenza viruses H7N9ZJ13(A), H9N2ZJ12(B), human influenza virus polymerase WSN (C). The cells were lysed at 24 h post-transfection. Co-IP was performed using Anti-FLAG M2 Magnetic Beads, followed by Western blotting to detect the ANP32A and viral proteins by using specific antibodies: PA antibody (NBP2-42874, NOVUS), PB1 antibody (NBP2-42877, NOVUS), PB2 antibody (NBP2-42879, NOVUS), Anti-Flag antibody (F1804, SIGMA). Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/32084248), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

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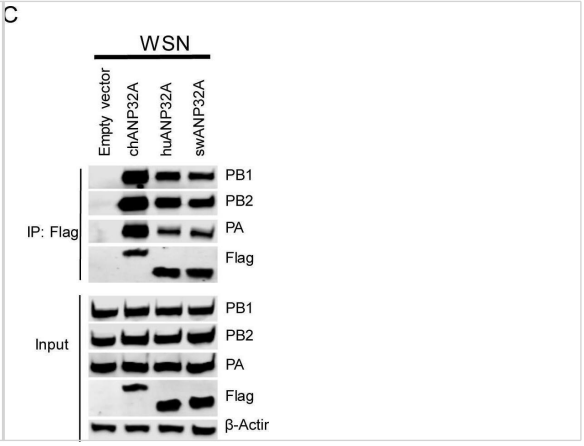

Publications

Peacock TP, Sheppard CM, Lister MG et al. Mammalian ANP32A and ANP32B Proteins Drive Differential Polymerase Adaptations in Avian Influenza Virus Journal of virology 2023-05-31 [PMID: 37074204]

Zhang H, Li H, Wang W et al. A unique feature of swine ANP32A provides susceptibility to avian influenza virus infection in pigs PLoS Pathog. 2020-02-21 [PMID: 32084248] (WB, Porcine)

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Products Related to NBP2-42877

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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