

Product Datasheet

Influenza A H1N1 PB2 Antibody - BSA Free NBP2-42879

Unit Size: 0.1 ml

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

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NBP2-42879

Influenza A H1N1 PB2 Antibody - BSA Free

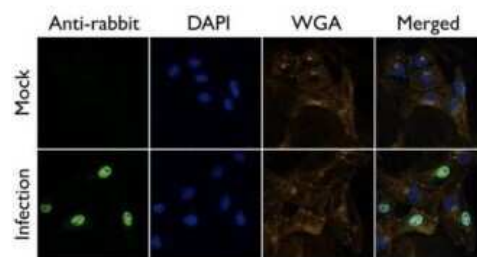
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	86 kDa

Product Description	
Description	Novus Biologicals Rabbit Influenza A H1N1 PB2 Antibody - BSA Free (NBP2-42879) is a polyclonal antibody validated for use in WB, ICC/IF and IP. Anti-Influenza A H1N1 PB2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Species	Virus
Reactivity Notes	Influenza A virus, Influenza A virus (H1N1)
Immunogen	Recombinant protein encompassing a sequence within the C-terminus region of Influenza A virus PB2 (A/Puerto Rico/8/1934(H1N1)). The exact sequence is proprietary.

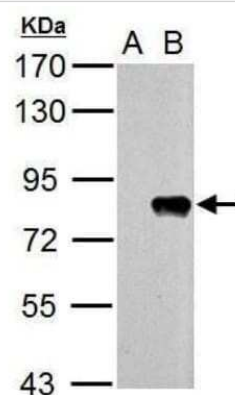
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:10000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation Assay dependent

Images

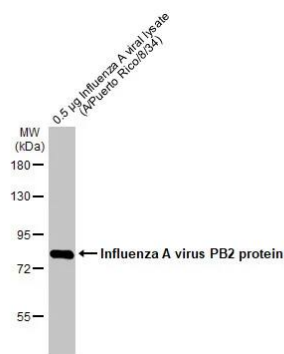
Immunocytochemistry/Immunofluorescence: Influenza A H1N1 PB2 Antibody [NBP2-42879] - Analysis of A/WSN/33 infected Vero cells were fixed in 4% paraformaldehyde at RT for 20 min. Green: PB2 protein stained by Influenza A H1N1 PB2 antibody diluted at 1:500. Blue: DAPI staining. Yellow: WGA life stained at 37 degrees C,30 min.



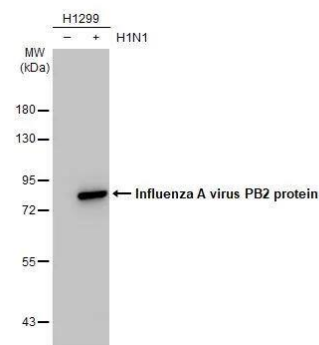
Western Blot: Influenza A H1N1 PB2 Antibody [NBP2-42879] - Analysis of 5 ug whole cell lysate. A: DF1 B: WSN virus infected DF1 10hr 7.5% SDS PAGE diluted at 1:5000.



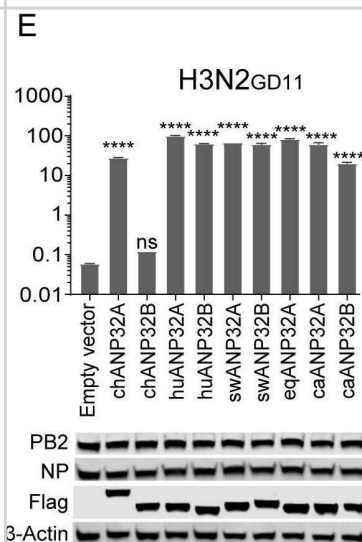
Western Blot: Influenza A H1N1 PB2 Antibody [NBP2-42879] - 0.5 ug Influenza A viral lysate (0.5 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Influenza A H1N1 PB2 antibody (NBP2-42879) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



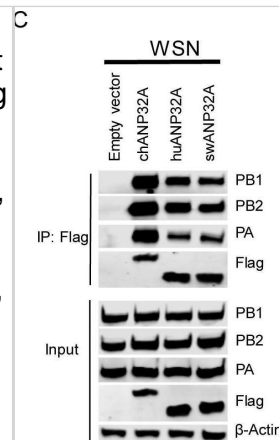
Non-infected (-) and infected (+) H1299 whole cell extracts (5 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Influenza A virus PB2 protein antibody (NBP2-42879) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



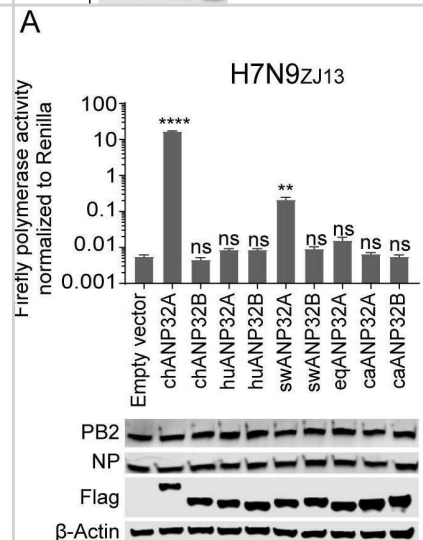
Species-dependent support of ANP32A or ANP32B for Influenza A viral replication. Vectors carrying 20 ng of ANP32A or ANP32B proteins, or empty vectors, were co-transfected into DKO cells, together with a minigenome reporter, a Renilla expression control, and influenza virus polymerases from either avian influenza H7N9ZJ13 (A) or H9N2ZJ12 (B); human influenza WSN (C); swine influenza H1N1NC08 (D); canine influenza H3N2GD11 (E); or equine influenza H3N8XJ07 (F). Luciferase activity was measured 24 h later. (Data are Firefly activity normalized to Renilla, Statistical differences between cells are labeled according to a one-way ANOVA followed by a Dunnett's test; NS = not significant, *P < 0.05, **P < 0.01, ***P < 0.001, ****P < 0.0001. The results represent at least three independent experiments.) ch, chicken; hu, human; sw, swine; eq, equine; ca, canine. 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.



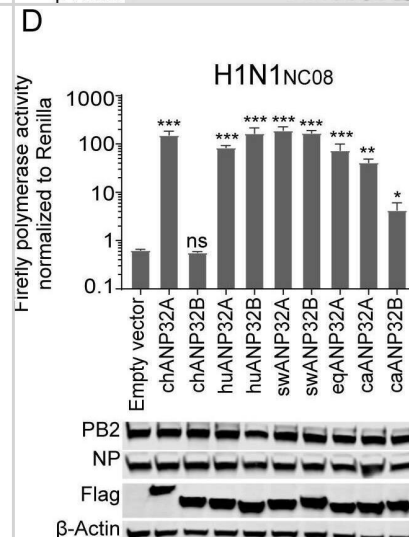
ANP32A proteins from different species interact with different polymerase trimeric complexes. DKO cells were transfected with different ANP32A (0.6µg) and polymerase plasmids (0.6µg PA, 1µg PB1, and 1µg PB2) from avian influenza viruses H7N9ZJ13(A), H9N2ZJ12(B), human influenza virus polymerase WSN (C). 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.



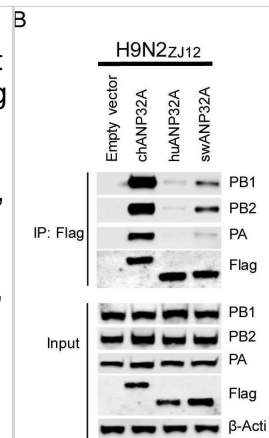
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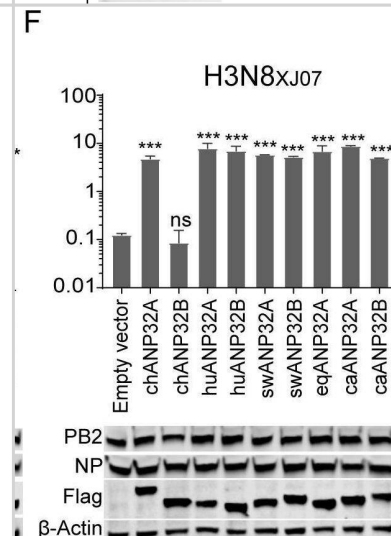
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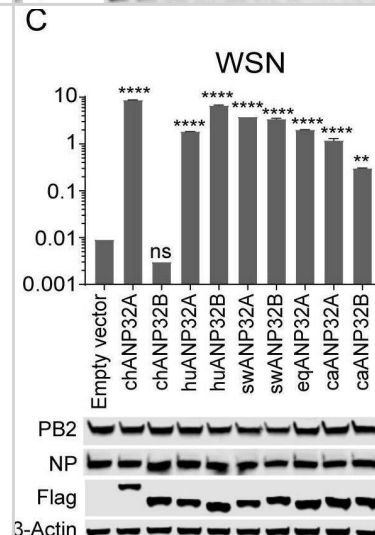
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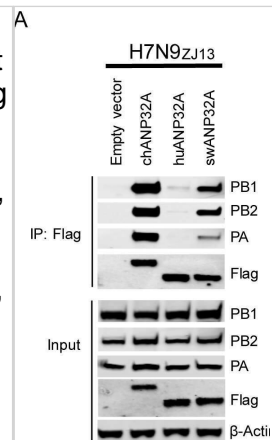
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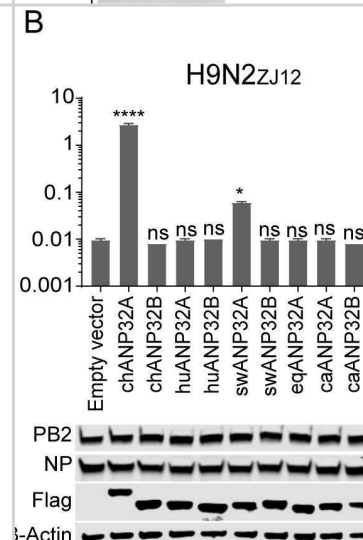
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Publications

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)

Fatima U, Zhang Z, Zhang H Equine Mx1 Restricts Influenza A Virus Replication by Targeting at Distinct Site of its Nucleoprotein Viruses 2019-12-02 [PMID: 31810278] (WB, IP, Human, Canine)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-42879

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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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