

Product Datasheet

Alix Antibody - BSA Free NBP1-49701

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-49701

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP1-49701



NBP1-49701

Alix Antibody - BSA Free

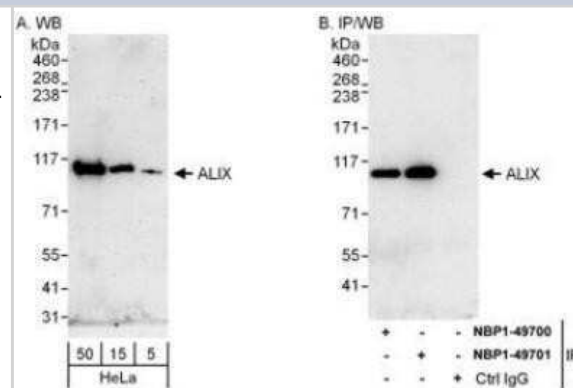
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rabbit Alix Antibody - BSA Free (NBP1-49701) is a polyclonal antibody validated for use in IHC, WB, Flow, ICC/IF, Simple Western and IP. Anti-Alix Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10015
Gene Symbol	PDCD6IP
Species	Human, Mouse
Immunogen	The immunogen for this product maps to a region between residue 818 and 868 of human Apoptosis-Linked Gene 2-Interacting Protein X using the numbering given in entry NP_037506.2 (GeneID 10015).

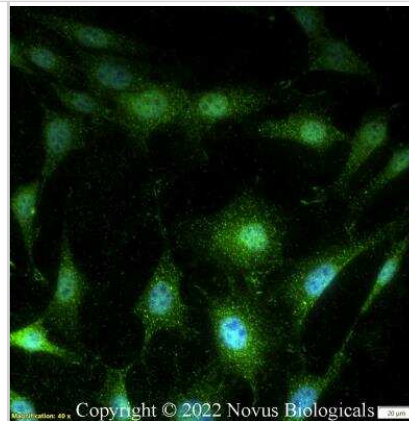
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:5000, Simple Western, Flow Cytometry 1-5 ug/ml, Immunohistochemistry 1:100 - 1:500, Immunocytochemistry/ Immunofluorescence 1-5 ug/ml, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin
Application Notes	Epitope retrieval with Tris-EDTA pH9.0 is recommended for FFPE tissue sections.

Images

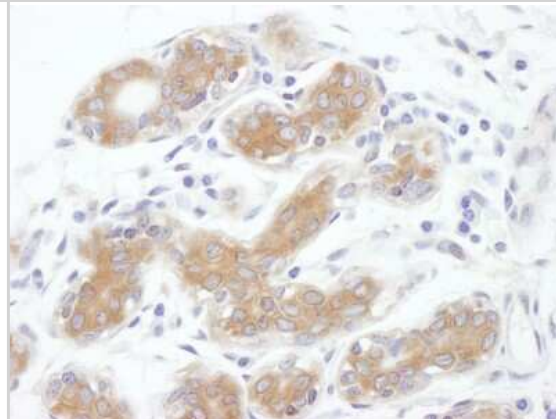
Western Blot: Alix Antibody [NBP1-49701] - Whole cell lysate (5, 15 and 50 mcg for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells.
Antibodies: Affinity purified rabbit anti-ALIX antibody used for WB at 0.04 mcg/ml (A) and 0.4 mcg/ml (B) and used for IP at 3 mcg/mg lysate. ALIX was also immunoprecipitated by rabbit anti-ALIX antibody NBP1-49700, which recognizes an upstream epitope.



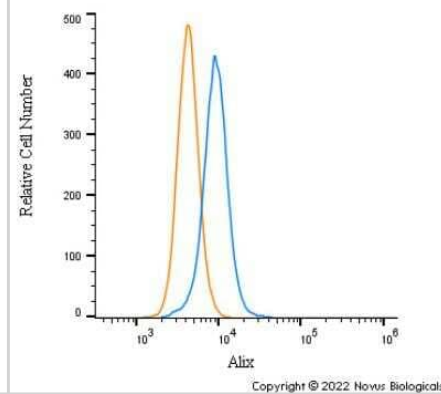
Immunocytochemistry/Immunofluorescence: Alix Antibody [NBP1-49701]
 - NIH3T3 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with Alix Antibody (NBP1-49701) at 1 ug/ml overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



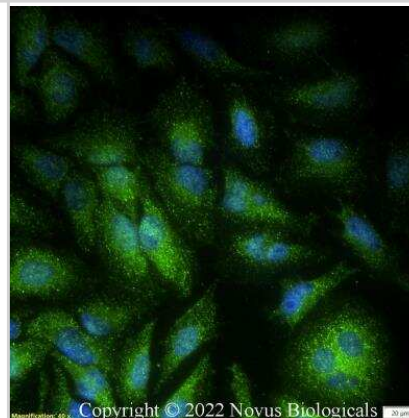
Immunohistochemistry-Paraffin: Alix Antibody [NBP1-49701] - Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti- ALIX used at a dilution of 1:200 (1ug/ml). Detection: DAB



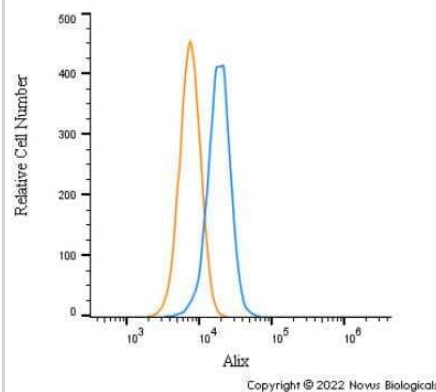
Flow Cytometry: Alix Antibody [NBP1-49701] - An intracellular stain was performed on NIH3T3 cells with Alix Antibody NBP1-49701 (blue) and a matched isotype control NBP2-24891 (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1.0 ug/mL for 30 minutes at room temperature, followed by Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 550 (SA5-10033, Thermo Fisher).



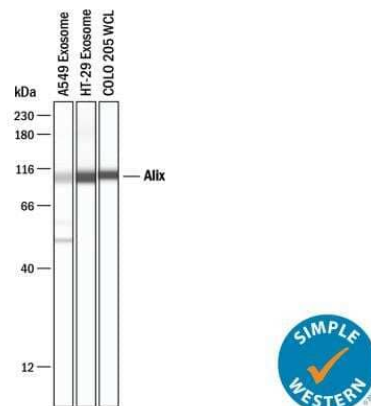
Immunocytochemistry/Immunofluorescence: Alix Antibody [NBP1-49701]
 - HeLa cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with Alix Antibody (NBP1-49701) at 1 ug/ml overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



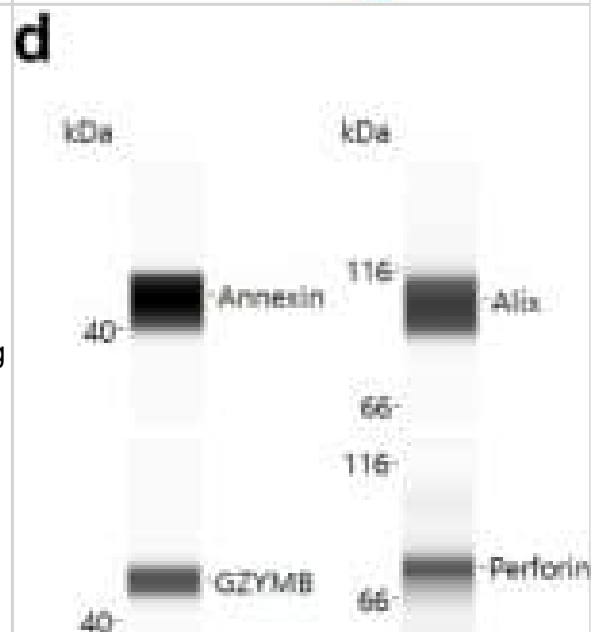
Flow Cytometry: Alix Antibody [NBP1-49701] - An intracellular stain was performed on HeLa cells with Alix Antibody NBP1-49701 (blue) and a matched isotype control NBP2-24891 (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1.0 ug/mL for 30 minutes at room temperature, followed by Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 550 (SA5-10033, Thermo Fisher).



Simple Western: Alix Antibody - BSA Free [NBP1-49701] - Alix Antibody [NBP1-49701] - Simple Western lane view shows lysates of Exosome Standards (A549 cell line) (NBP3-11645), exosome standards (HT29 cell line) (NBP3-11685), and COLO 205 human colorectal adenocarcinoma cell line whole cell lysate (WCL), loaded at 0.2 mg/mL. A specific band was detected for Alix antibody (NBP1-49701) at approximately 106 kDa (as indicated) using 1:10 of Alix antibody. This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



Patient derived NK cells can be expanded in vitro and NKEVs contain protein and nucleic acid cargo reflecting the cells of origin. NK cells were isolated from patient PBMCs via negative selection and EVs were isolated with size exclusion chromatography from the NK cell culture medium (n=20, 10 □pre□ and 10 □post) (a). Representative image of cytokine profiling (n=12) of the secretome showed the presence of classic chemokines (CCL1, -5) and cytokines (IFN γ , GM-CSF) (b). NKEVs were 100□200 nm in diameter post SEC (n=20) (c) and express canonical EV markers and cytotoxic NK proteins (d). Whole transcriptome sequencing (n=21; 20 patient NKEV and 1 control pool NKEV) found the majority of NKEV RNA cargo is protein coding and long noncoding transcripts (e). Differential gene expression (DE) analysis of LUAD/LUSC NKEVs identified a small number of significantly DE transcripts between LUAD and LUSC, such as ERAP2, which is upregulated in LUAD NKEVs (f). Mass spectrometry proteomics analysis (n=21; 20 patient NKEV and 1 control pool NKEV) of NKEV cargo identified over 4000 proteins (g), and modestly differentially expressed proteins between LUAD and LUSC groups (h). (b) is one representative dot blot, PT007-post and (d) is one representative Western blot, PT007-post. (c) shows NTA analysis for all individual samples in grey, with the mean distribution in red and SEM error bars. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/40821787/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Zhang L, Jin J, Sun L et al. Mesenchymal stem cell-derived exosome subpopulations remained consistent for 28 culture days, displaying therapeutic effects in a silicosis mouse model *Frontiers in Cell and Developmental Biology* 2025-05-27 [PMID: 40496140]

Palade J, Alsop E, Tang N et al. NK cell-derived extracellular vesicles enhance cytotoxicity and immune cell recruitment in non-small cell lung cancer. *Frontiers in Immunology* 2025-05-22 [PMID: 40821787]

Wang X, Phan MM, Sun Y et al. Development of an SPR-based binding assay for characterization of anti-CD20 antibodies to CD20 expressed on extracellular vesicles *Analytical biochemistry* 2022-03-10 [PMID: 35278435] (WB, Human)





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 NBP1-49701

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-49701

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

