

Product Datasheet

Annexin A6 Antibody - BSA Free NBP1-90149

Unit Size: 0.1 ml

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

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Publications: 3

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NBP1-90149

Annexin A6 Antibody - BSA Free

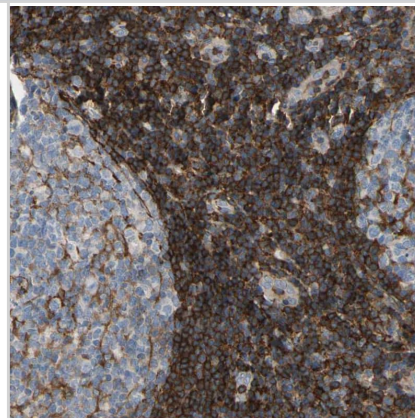
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit Annexin A6 Antibody - BSA Free (NBP1-90149) is a polyclonal antibody validated for use in IHC and WB. Anti-Annexin A6 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	309
Gene Symbol	ANXA6
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: IADTPSGDKTSLETRFMTILCTRSYPHLRRVVFQEFIKMTNYDVEHTIKKEMSGDV RDAFVAIVQSVKNKPLFFADKLYKSMKGAGTDEKTLTRIMVSRSEIDLLNIRREFI EKYDKSLHQAIEGDTSGDFLKALLALCGGED

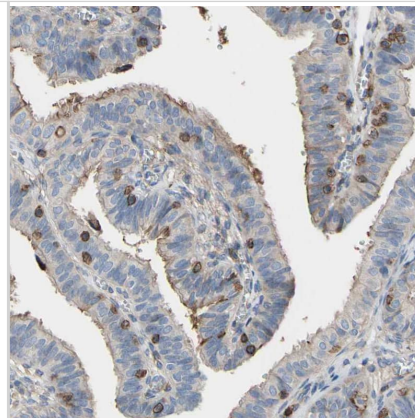
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

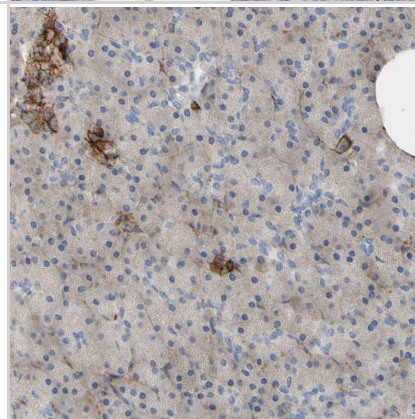
Staining of human tonsil shows strong cytoplasmic positivity in non-germinal center cells.



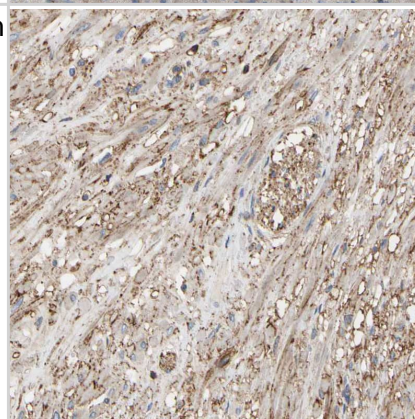
Staining of human fallopian tube shows moderate cytoplasmic positivity in glandular cells.



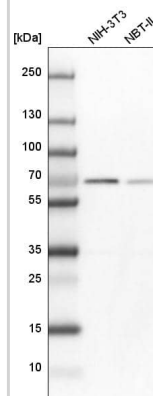
Staining of human pancreas shows strong membranous positivity in islets of Langerhans.



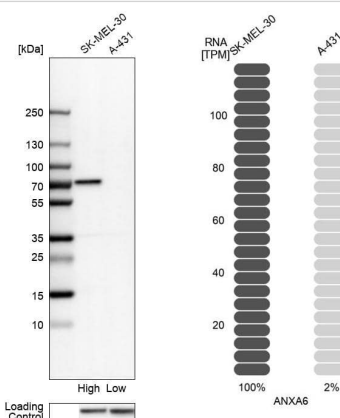
Staining of human prostate shows strong cytoplasmic positivity in smooth muscle cells.



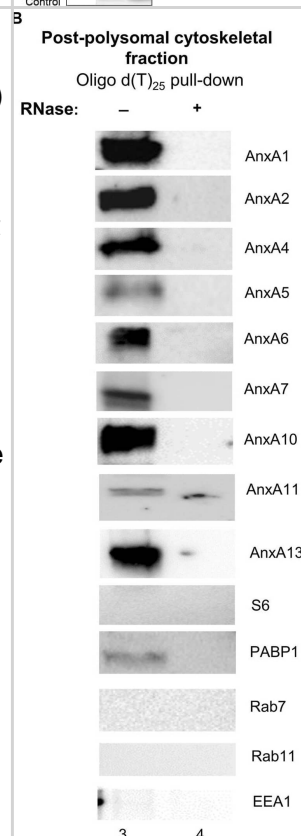
Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



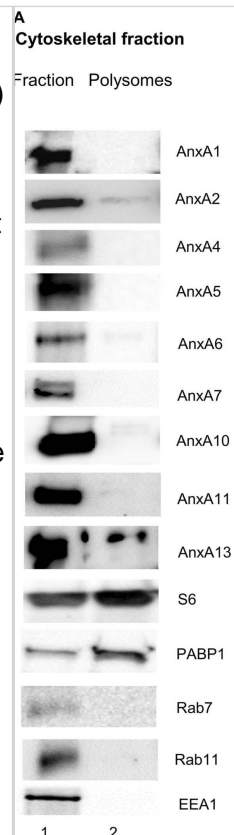
Analysis in human cell lines SK-MEL-30 and A-431 using Anti-ANXA6 antibody. Corresponding ANXA6 RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1.



AnxA1, AnxA2, AnxA4, AnxA5, AnxA6, AnxA7, AnxA10, AnxA11 and AnxA13 present in the cytoskeleton fraction (Panel A) are associated with non-polysomal mRNP complexes (Panel B) of PC12 cells. Panel (A) 30 ug of the cytoskeletal fraction (lane 1) and cytoskeleton-bound polysomes (lane 2) were separated by 10% SDS-PAGE and transferred to nitrocellulose membranes. Panel (B) samples prepared from oligo (dT)-bound mRNP complexes from the cytoskeletal fraction [supernatant after centrifugation for 2 h 100,000 g above a 1 M (35%) sucrose cushion] (lanes 3 and 4), without (lane 3) or with RNase (lane 4) treatment, as indicated above the Western blots, were subjected to similar analysis. The blots were probed with antibodies against the different Anxs and against PABP1 as a marker for poly(A)-containing mRNAs, as indicated. Antibodies against the ribosomal subunit S6 were used to inform of the distribution of ribosomes. In addition, the blots were probed with antibodies against early endosomes (EEA1), late endosomes (Rab7) and recycling endosomes (Rab11). SPC25 and LAMP1 were not detectable in any of the fractions (results not shown). Visualization of the immunoreactive protein bands was performed using the ChemiDoc™ XRS+ molecular imager after incubation with horseradish peroxidase (HRP)-conjugated secondary antibodies and enhanced chemiluminescence (ECL)-reagent. The blots shown are representative for results from three experiments. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37397259>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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Publications

Patil SS, Panchal V, Røstbø T et al. RNA-binding is an ancient trait of the Annexin family *Frontiers in Cell and Developmental Biology* 2023-06-15 [PMID: 37397259] (WB, Rat)

Bayes A, Collins MO, Croning MD et al. Comparative Study of Human and Mouse Postsynaptic Proteomes Finds High Compositional Conservation and Abundance Differences for Key Synaptic Proteins. *PLoS One* 2012-01-01 [PMID: 23071613]

Nakayama H, Fukuda S, Inoue H et al. Cell surface annexins regulate ADAM-mediated ectodomain shedding of proamphiregulin. *Mol Biol Cell* 2012-05-01 [PMID: 22438584]



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Products Related to NBP1-90149

NBP1-90149PEP	Annexin A6 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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