

Product Datasheet

Annexin A2 Antibody NB100-881

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-881**Annexin A2 Antibody****Product Information**

Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description

Host	Goat
Gene ID	302
Gene Symbol	ANXA2
Species	Human, Mouse, Bovine
Reactivity Notes	Bovine reactivity reported in scientific literature (PMID: 25827591).
Specificity/Sensitivity	This antibody is expected to recognise both reported isoforms (NP_001002858.1; NP_004030.1). Variants NP_004030.1, NP_001002857.1 and NP_001129487.1 represent identical protein.
Immunogen	Peptide with sequence STVHEILCKLSLEGD corresponding to N-Terminus according to NP_004030.1.

Product Application Details

Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.5 - 3 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 1:10 - 1:500, Peptide ELISA Detection limit 1:1000
Application Notes	WB: Approx. 35 kDa band observed in A549, HeLa and NIH3T3 lysates (calculated MW of 38.6 kDa band according to NP_004030.1 and NP_001002857.1). IHC-P usage is reported in scientific literature (PMID: 25827591).

Images

Western Blot: Annexin A2 Antibody [NB100-881] - Staining (0.5ug/ml) of A431 lysate (RIPA buffer, 35ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

Publications

Takahashi S, Reddy SV, Chirgwin JM et al. Cloning and identification of annexin II as an autocrine/paracrine factor that increases osteoclast formation and bone resorption. J Biol Chem 1994-11-18 [PMID: 7961821]

Senthilkumaran C, Hewson J, Ollivett TL, Bienzle D. Localization of annexins A1 and A2 in the respiratory tract of healthy calves and those experimentally infected with *Mannheimia haemolytica* Veterinary Research. 2015-02-01 [PMID: 25827591] (IHC-P, Bovine)

Details:

Annexin A2 antibody used for IHC-P on tracheal, bronchial and lung tissues from 2-month-old healthy male Holstein calves which were experimentally infected or not with *Mannheimia haemolytica*. The IHC-P assay involved heat-induced epitope retrieval with pressure cooker/approximately 120C temperature using sodium citrate buffer pH 6, treatment of slides with Dako's endogenous enzyme blocker and serum-free protein blocker, incubation of slides with primary antibody at 1 ug/150 ul concentration for ON at 4C, detection with HRP conjugated secondary antibody and NovaRED chromogen followed by hematoxylin counterstain.





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Products Related to NB100-881

NBL1-07561	Annexin A2 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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