

Product Datasheet

SP-B/Surfactant Protein B Antibody - BSA Free NBP1-57977

Unit Size: 100 ul

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

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NBP1-57977**SP-B/Surfactant Protein B Antibody - BSA Free**

Product Information	
Unit Size	100 ul
Concentration	0.5 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	Affinity purified
Buffer	PBS, 2% Sucrose

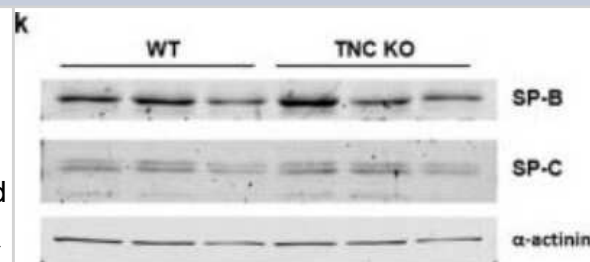
Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	6439
Gene Symbol	SFTPB
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 26092997). Use in Rat reported in scientific literature (PMID:31059017).
Immunogen	Synthetic peptides corresponding to SFTPB(surfactant, pulmonary-associated protein B) The peptide sequence was selected from the middle region of SFTPB. Peptide sequence PGALQARPGPHTQDLSEQQFPIPLPYCWLCRALIKRIQAMIPKGALAVAV. The peptide sequence for this immunogen was taken from within the described region.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin

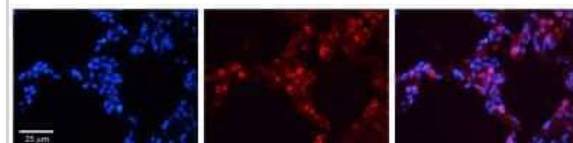


Images

Western Blot: SP-B/Surfactant Protein B Antibody [NBP1-57977] - Lung function in newborn and adult TNC KO and WT mice during HTV ventilation. Representative results of SP-B/Surfactant Protein B and SP-C protein detection in whole lung lysates from adult TNC KO and WT animals by Western blot; cropped blots are displayed. Full length blots are presented in Supplementary Figure S2. Image collected and cropped by CiteAb from the following publication (www.nature.com/articles/s41598-020-61919-x) licensed under a CC-BY license.



Immunohistochemistry: SP-B/Surfactant Protein B Antibody [NBP1-57977] - Human Lung Tissue Observed Staining: Cytoplasm and membrane of pneumocytes Primary Antibody Concentration: 1 : 600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1 : 200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec.



Western Blot: SP-B/Surfactant Protein B Antibody [NBP1-57977] - Titration: 0.2-1 ug/ml, Positive Control: 721_B cell lysate.



Publications

Sun Z Y, Shen Y Q et al. Expression and potential regulation of miRNA 431 during lung development of Sprague Dawley rats. Mol Med Rep 2019-01-06 [PMID: 31059017] (WB, Rat)

Gremlich S, Roth-Kleiner M, Equey L et Al. Tenascin-C inactivation impacts lung structure and function beyond lung development Sci Rep. [PMID: 32198404] (WB, Mouse)

Mayor RS, Finch KE, Zehr J et al. Maternal high-fat diet is associated with impaired fetal lung development. Am J Physiol Lung Cell Mol Physiol 2015-08-15 [PMID: 26092997] (Mouse)



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Products Related to NBP1-57977

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00006439-P01-10ug	Recombinant Human SP-B/Surfactant Protein B GST (N-Term) Protein

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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