

bs-0770R**[Primary Antibody]****BioSS**
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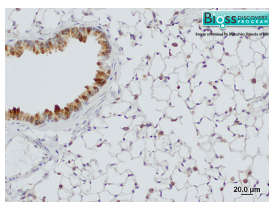
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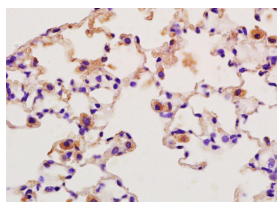
400-901-9800

SFTPA1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human (predicted: Mouse, Rat) Predicted MW.: 25 kDa Subcellular Location: Secreted ,Extracellular matrix
Clonality: Polyclonal		
GeneID: 653509	SWISS: Q8IWL2	
Target: SFTPA1		
Immunogen: KLH conjugated synthetic peptide derived from human SFTPA2/SFTPA1: 23-120/248.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: This gene is one of several genes encoding pulmonary-surfactant associated proteins (SFTPA) located on chromosome 10. Mutations in this gene and a highly similar gene located nearby, which affect the highly conserved carbohydrate recognition domain, are associated with idiopathic pulmonary fibrosis. The current version of the assembly displays only a single centromeric SFTPA gene pair rather than the two gene pairs shown in the previous assembly which were thought to have resulted from a duplication. [provided by RefSeq, Sep 2009]		

— VALIDATION IMAGES —

Formalin-fixed and paraffin embedded mouse lung tissue labeled Anti-SP-A Polyclonal Antibody, Unconjugated (bs-0770R) at 1:2000, followed by conjugation to the secondary antibody and DAB staining



Tissue/cell: rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-SP-A Polyclonal Antibody, Unconjugated(bs-0770R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=3.061]** Fang Q et al. pre-B cell colony enhancing factor negatively regulates Na and fluid transport in lung epithelial cells. Am J Transl Res. 2018 Jul 15;10(7):2047-2054. eCollection 2018. ICC,WB ;Rat. 30093942
- **[IF=2.741]** Tara Bocking. et al. Research article expression of surfactant protein-A and D, and CD9 in lungs of 1 and 30 day old foals. BMC Vet Res. 2021 Dec;17(1):1-9 WB,IHC ;Foal. 34225699
- **[IF=0.267]** Tai-Wen Rao et al. Effect of oxygen supplement during targeted temperature management on acute lung injury in the early stage of traumatic hemorrhagic shock. European Journal of Inflammation Volume 18: 1–7 WB ;rabbit.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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