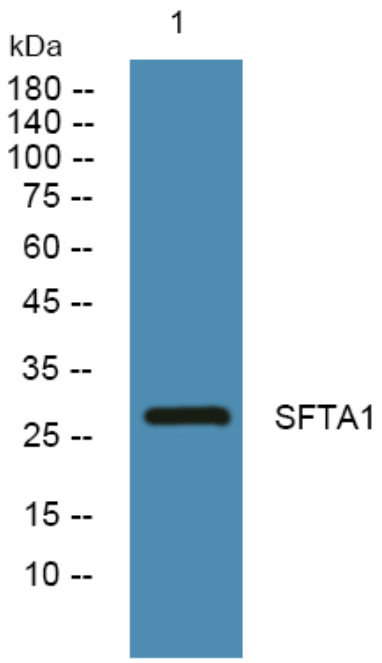
SFTA1 Polyclonal Antibody

Catalog No	BYab-07763
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	SFTPA1 COLEC4 PSAP SFTP1 SFTPA SFTPA1B
Protein Name	Pulmonary surfactant-associated protein A1 (PSP-A) (PSPA) (SP-A) (SP-A1) (35 kDa pulmonary surfactant-associated protein) (Alveolar proteinosis protein) (Collectin-4)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SFTA1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	27kD
Cell Pathway	Secreted . Secreted, extracellular space, extracellular matrix . Secreted, extracellular space, surface film .
Tissue Specificity	Brain,Lung,
Function	disease:Genetic variations in SFTPA1 are associated with respiratory distress syndrome in premature infants (RDS) [MIM:267450]; also known as RDS in prematurity. RDS in the newborn is the main cause of mortality and morbidity in premature infants. RDS is characterized by deficient gas exchange that is caused by diffuse atelectasis and high-permeability lung edema that results in fibrin-rich alveolar deposits called 'hyaline membranes'. The risk of bronchopulmonary dysplasia increases with the severity of RDS.,function:In presence of calcium ions, it binds to surfactant phospholipids and contributes to lower the surface tension at the air-liquid interface in the alveoli of the mammalian lung and is essential for normal respiration.,miscellaneous:Pulmonary surfactant consists of

	90% lipid and 10% protein. There are 4 surfactant-associated proteins: 2 collagenous, carbohydrate-binding glyco
Background	This gene encodes a lung surfactant protein that is a member of a subfamily of C-type lectins called collectins. The encoded protein binds specific carbohydrate moieties found on lipids and on the surface of microorganisms. This protein plays an essential role in surfactant homeostasis and in the defense against respiratory pathogens. Mutations in this gene are associated with idiopathic pulmonary fibrosis. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4°over night