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Datasheet for ABIN6147687
anti-SFTPB antibody (AA 94-393)

1 Image

Overview

Quantity:	100 µL
Target:	SFTPB
Binding Specificity:	AA 94-393
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SFTPB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 94-393 of human SFTPB (NP_000533.3).
Sequence:	MAKEAIFQDT MRKFLEQECN VLPLKLLMPQ CNQVLDDYFP LVIDYFQNQT DSNIGICMHLG LCKSRQPEPE QEPGMSDPLP KPLRDPLPDP LLDKLVLPVL PGALQARPGP HTQDLSEQQF PIPLPYCWLC RALIKRIQAM IPKGALAVAV AQVCRVWPLV AGGICQCLAE RYSVILLDTL LGRMLPQLVC RLVLRCSMDD SAGPRSPTGE WLPRDSECHL CMSVTTQAGN SSEQAIPQAM LQACVGSWLD REKCKQFVEQ HTPQLLTLVP RGWDAHTTCQ ALGVC GTMSS PLQCIHSPDL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	SFTPB
Alternative Name:	SFTPB (SFTPB Products)
Background:	<p>This gene encodes the pulmonary-associated surfactant protein B (SPB), an amphipathic surfactant protein essential for lung function and homeostasis after birth. Pulmonary surfactant is a surface-active lipoprotein complex composed of 90 % lipids and 10 % proteins which include plasma proteins and apolipoproteins SPA, SPB, SPC and SPD. The surfactant is secreted by the alveolar cells of the lung and maintains the stability of pulmonary tissue by reducing the surface tension of fluids that coat the lung. The SPB enhances the rate of spreading and increases the stability of surfactant monolayers in vitro. Multiple mutations in this gene have been identified, which cause pulmonary surfactant metabolism dysfunction type 1, also called pulmonary alveolar proteinosis due to surfactant protein B deficiency, and are associated with fatal respiratory distress in the neonatal period. Alternatively spliced transcript variants encoding the same protein have been identified.,SFTPB,PSP-B,SFTB3,SFTP3,SMDP1,SP-B,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Cell Cycle,Cell differentiation,Endocrine & Metabolism,Lipid Metabolism,Cardiovascular,SFTPB</p>
Molecular Weight:	42 kDa
Gene ID:	6439
UniProt:	P07988

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

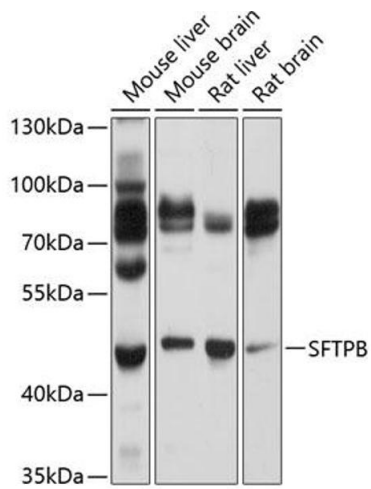
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using SFTP Antibody (ABIN6147687) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 3s.