

## Anti-SP-B/Surfactant Protein B Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 41 kDa. Actual: 42 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	Sample:
	Lane 1: Lung (Mouse) Lysate at 40 µg
	Lane 2: Lung (Rat) Lysate at 40 µg
	Lane 3: Molt-4 (Human) Cell Lysate at 30 µg
	Lane 4: Hela (Human) Cell Lysate at 30 µg
	Lane 5: A549 (Human) Cell Lysate at 30 µg
	Primary: Anti-SP-B/Surfactant Protein B (TMAB-13090) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 42 kD
	Observed band size: 42 kD
Application:	WB
Recommended	WB: 1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: mouse SP-B
Antigen Species:	Mouse
Gene ID:	20388
Uniprot ID:	P50405

### Research Background

Pulmonary surfactant-associated proteins promote alveolar stability by lowering the surface tension at the air-liquid interface in the peripheral air spaces. SP-B increases the collapse pressure of palmitic acid to nearly 70 millinewtons per meter. Homodimer; disulfide-linked. Secreted, extracellular space.

Function : Pulmonary surfactant-associated proteins promote alveolar stability by lowering the surface tension at the air-liquid interface in the peripheral air spaces. SP-B increases the collapse pressure of palmitic acid to nearly 70 millinewtons per meter.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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