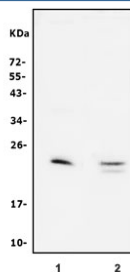


Sftpc Antibody / Pulmonary surfactant-associated protein C (RQ6115)

Catalog No.	Formulation	Size
RQ6115	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P21841
Applications	Western Blot : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Sftpc antibody is available for research use only.



Western blot testing of 1) rat lung and 2) mouse lung lysate. Predicted molecular weight ~21 kDa.

Description

SFTPC (Surfactant pulmonary -associated protein C), also known as SFTP2, SPC, PSP-C or PULMONARY SURFACTANT PROTEIN SP5, is a protein that in humans is encoded by the SFTPC gene. It is a membrane protein which manufactures surfactant. Glasser et al.(1988) assigned the SFTPC gene, symbolized SFTP2 by the Human Gene Mapping nomenclature committee, to chromosome 8 by hybridization to somatic cell hybrid DNA. Wood et al.(1994) identified 4 cosmid at the SFTP2 locus by cDNA hybridization. Using a polymorphic CA repeat in the SFTP2 gene and linkage analysis in 8 CEPH families, they located the gene close to D8S298; maximum lod = 19.3 at theta = 0.01. They

regionalized the gene to 8p21 by fluorescence in situ hybridization. Moore et al.(1992) showed that the corresponding mouse gene, Sftp2, maps to chromosome 14.

Application Notes

Optimal dilution of the Sftp antibody should be determined by the researcher.

Immunogen

A mouse recombinant partial protein (amino acids S98-1193) was used as the immunogen for the Sftp antibody.

Storage

After reconstitution, the Sftp antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.