

For Research Use Only

# ABCA3 Recombinant antibody

Catalog Number: 83018-1-RR



## Basic Information

<b>Catalog Number:</b> 83018-1-RR	<b>GenBank Accession Number:</b> BC140895	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 21	<b>CloneNo.:</b> 230194C12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q99758	
<b>Isotype:</b> IgG	<b>Full Name:</b> ATP-binding cassette, sub-family A (ABC1), member 3	
<b>Immunogen Catalog Number:</b> AG24749		

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human

## Background Information

ABCA3 belongs to the ATP-binding cassette (ABC) transporter superfamily. ABCA3, which is expressed in alveolar type II pneumocytes and localizes predominantly to the limiting membrane of lamellar bodies, is critical for synthesis of surfactant (PMID: 17267394). Mutation of the ABCA3 gene causes fatal surfactant deficiency in newborns (PMID: 15044640).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

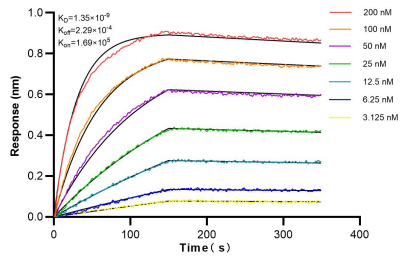
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Biolayer interferometry (BLI) kinetic assays of 83018-1-RR against Human ABCA3 were performed. The affinity constant is 1.35 nM.