

For Research Use Only

# ABCA3 Polyclonal antibody, PBS Only

Catalog Number:27450-1-PBS



## Basic Information

**Catalog Number:**

27450-1-PBS

**Size:**

100ug , Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG24749

**GenBank Accession Number:**

BC140895

**GeneID (NCBI):**

21

**UNIPROT ID:**

Q99758

**Full Name:**

ATP-binding cassette, sub-family A (ABC1), member 3

**Observed MW:**

140-160 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, Indirect ELISA

**Species Specificity:**

human, rat

## 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 -80°C.

**Storage Buffer:**

PBS only, pH7.3

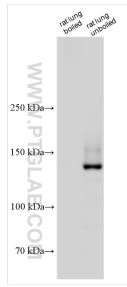
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

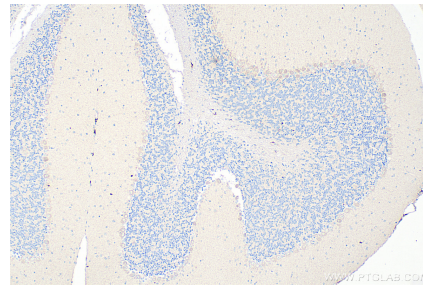
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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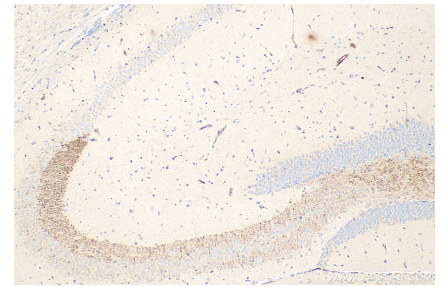
## Selected Validation Data



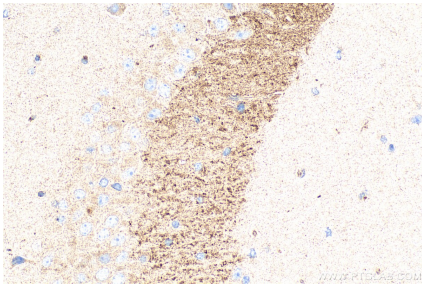
unboiled rat lung tissue were subjected to SDS PAGE followed by western blot with 27450-1-AP (ABCA3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27450-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 27450-1-AP (ABCA3 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27450-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 27450-1-AP (ABCA3 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27450-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 27450-1-AP (ABCA3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27450-1-PBS in a different storage buffer formulation.