

For Research Use Only

# SPATA2 Polyclonal antibody

Catalog Number: 29321-1-AP



## Basic Information

<b>Catalog Number:</b> 29321-1-AP	<b>GenBank Accession Number:</b> BC009481	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9825	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UM82	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> spermatogenesis associated 2	<b>IF/ICC 1:50-1:500</b>
<b>Immunogen Catalog Number:</b> AG30773	<b>Calculated MW:</b> 58 kDa	
	<b>Observed MW:</b> 58-60 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse, rat	<b>WB :</b> mouse testis tissue, rat testis tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse lung tissue,
	<b>IF/ICC :</b> HeLa cells,

## Background Information

The protein SPATA2 (spermatogenesis-associated protein 2) was initially shown to be highly expressed in testicular Sertoli cells, and these early reports suggested SPATA2 to play a role in spermatogenesis. More recently, it was discussed to be involved in the predisposition for psoriasis. SPATA2 is required for TNF-induced cell death. SPATA2 has a potential role during pancreatic development and  $\beta$ -cell proliferation.(PMID: 20119533/PMID: 27458237)

## Storage

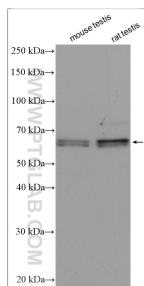
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

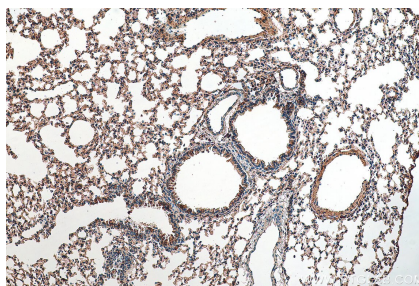
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

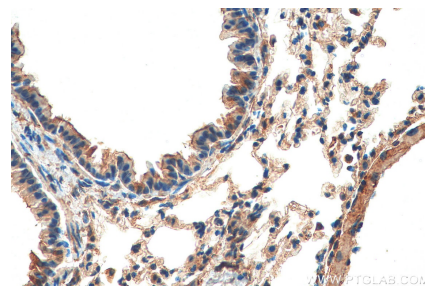
## Selected Validation Data



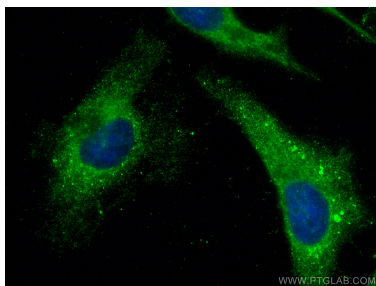
Various lysates were subjected to SDS PAGE followed by western blot with 29321-1-AP (SPATA2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 29321-1-AP (SPATA2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 29321-1-AP (SPATA2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using SPATA2 antibody (29321-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).