

# ADAM21 Polyclonal antibody

Catalog Number: 21434-1-AP

## Basic Information

Catalog Number: 21434-1-AP	GenBank Accession Number: BC109024	Purification Method: Antigen affinity purification
Size: 150ul	GeneID (NCBI): 8747	Recommended Dilutions: IHC 1:100-1:400
Source: Rabbit	UNIPROT ID: Q9UIK8	
Isotype: IgG	Full Name: ADAM metalloproteinase domain 21	
Immunogen Catalog Number: AG16042	Calculated MW: 722 aa, 81 kDa	

## Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human lung cancer tissue,
Species Specificity: human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

ADAM21 is also present in growing axonal tracts during postnatal development and in growing primary olfactory axons in adults. In the olfactory nerve layer, ADAM21 often, but not always, colocalizes with OMP, a marker of mature olfactory neurons, but is not colocalized with the immature marker  $\beta$ III-tubulin. The exclusive expression of ADAM21 in human testis and its sequence similarity with the fertilins suggest that it is also expressed on sperm cells and involved in sperm maturation and/or fertilization (PMID:9469942).

## Storage

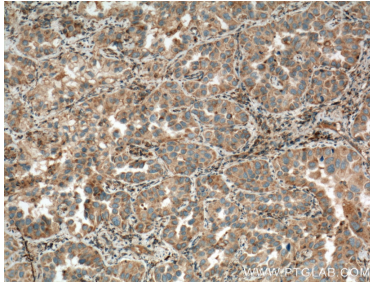
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

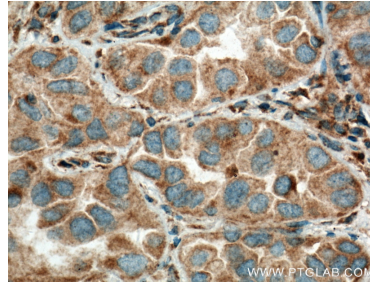
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 21434-1-AP (ADAM21 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 human lung cancer tissue slide using 21434-1-AP (ADAM21 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).