

For Research Use Only

# ADAM21 Polyclonal antibody

Catalog Number: 21434-1-AP



## Basic Information

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

## Applications

**Tested Applications:**  
IHC, ELISA

**Species Specificity:**  
human

**Positive Controls:**

IHC : human lung cancer tissue,

**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

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

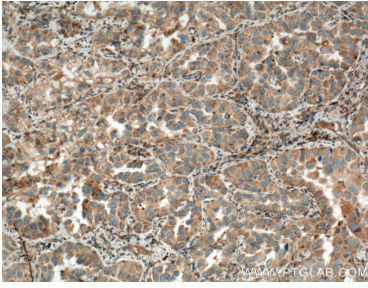
T: 4006900926

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

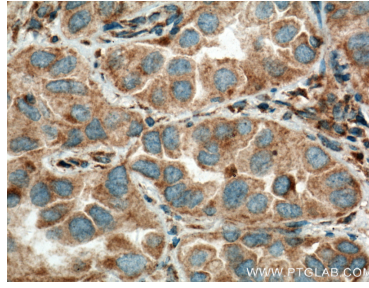
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## Selected Validation Data



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).