

For Research Use Only

# ADAM5 Polyclonal antibody

Catalog Number: 22147-1-AP



## Basic Information

<b>Catalog Number:</b> 22147-1-AP	<b>GenBank Accession Number:</b> BC067864	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 260 µg/ml	<b>GeneID (NCBI):</b> 255926	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> ADAM metalloproteinase domain 5 pseudogene	IHC 1:20-1:200 IF 1:20-1:200
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 412 aa, 47 kDa	
<b>Immunogen Catalog Number:</b> AG17590	<b>Observed MW:</b> 36-50 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB:</b> HeLa cells, MCF-7 cells
<b>Note-IHC:</b> <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	<b>IHC:</b> human testis tissue, <b>IF:</b> HeLa cells,

## Background Information

ADAM5 (putative disintegrin and metalloproteinase domain-containing protein 5) is also named as ADAM5P, TMDC2 (tMDCII). The tMDC II, abundantly expressed, sperm surface MDC proteins identified in rodent and macaque systems, is also nonfunctional in the human (PMID:10417343). It has 7 isoforms produced by alternative splicing. It is expressed in testis highly by northern blot. This antibody is specific to ADAM5.

## 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:

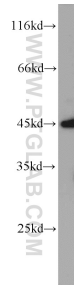
T: 4006900926

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

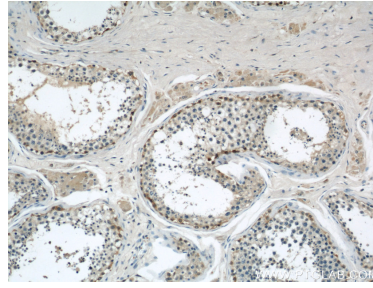
W: [ptgcn.com](http://ptgcn.com)

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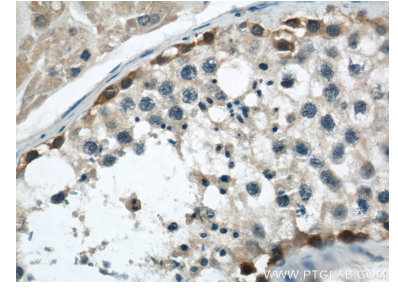
## Selected Validation Data



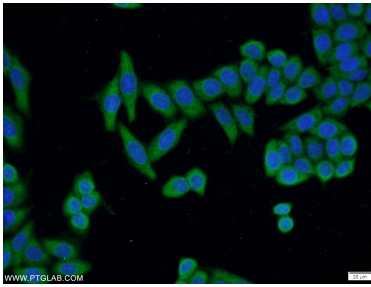
HeLa cells were subjected to SDS PAGE followed by western blot with 22147-1-AP (ADAM5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 22147-1-AP (ADAM5 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 22147-1-AP (ADAM5 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells using 22147-1-AP (ADAM5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).