

For Research Use Only

# SPAG7 Polyclonal antibody

Catalog Number: 16294-1-AP



## Basic Information

<b>Catalog Number:</b> 16294-1-AP	<b>GenBank Accession Number:</b> BC011934	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop and 240 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9552	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> sperm associated antigen 7	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 227 aa, 26 kDa	
<b>Immunogen Catalog Number:</b> AG9471	<b>Observed MW:</b> 26-31 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

human, mouse, rat

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

### Positive Controls:

WB : mouse ovary tissue, mouse brain tissue, mouse skeletal muscle tissue, rat brain tissue

IHC : human colon cancer tissue,

## Background Information

SPAG7 encodes the sperm-associated antigen 7, which is widely expressed. The SPAG7 protein contains two nuclear localisation signals and a R3H domain. The domain is predicted to bind ssDNA or ssRNA in a sequence-specific manner. This might indicate a potential role of the protein in response to viruses or free DNAs or RNAs.

## 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

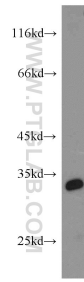
For technical support and original validation data for this product please contact:

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

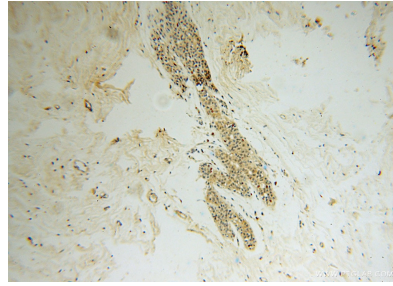
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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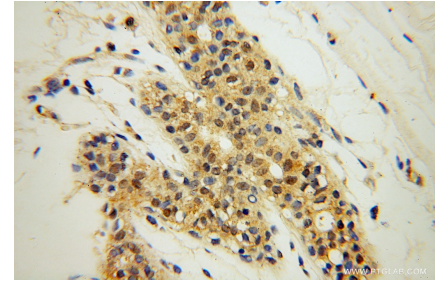
## Selected Validation Data



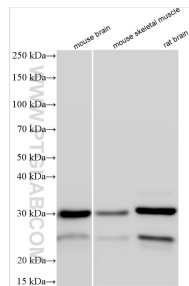
mouse ovary tissue were subjected to SDS PAGE followed by western blot with 16294-1-AP (SPAG7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 16294-1-AP (SPAG7 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 16294-1-AP (SPAG7 antibody) at dilution of 1:50 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 16294-1-AP (SPAG7 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.