

# SPAG7 Polyclonal antibody

Catalog Number: 16294-1-AP

## Basic Information

**Catalog Number:**

16294-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG9471

**GenBank Accession Number:**

BC011934

**GeneID (NCBI):**

9552

**UNIPROT ID:**

O75391

**Full Name:**

sperm associated antigen 7

**Calculated MW:**

227 aa, 26 kDa

**Observed MW:**

26-31 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IHC 1:20-1:200

## 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:**

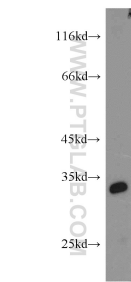
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

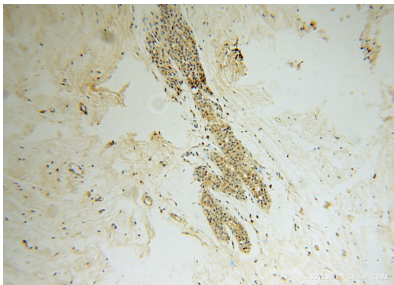
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

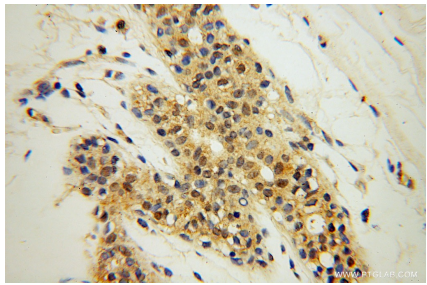
Selected Validation Data



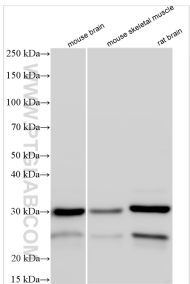
mouse ovary tissue were subjected to SDS PAGE followed by western blot with 16294-1-AP (SPAG7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.