

## Rabbit Anti-ASC/TMS1 antibody

SL24399R

**Product Name** ASC/TMS1

**Chinese Name** 凋亡相关斑点样蛋白 ASC 抗体

**Alias**

TMS1; Apoptosis associated speck like protein containing a CARD; Apoptosis-associated speck-like protein containing a CARD; ASC\_HUMAN; CARD 5; CARD5; Caspase recruitment domain containing protein 5; Caspase recruitment domain protein 5; Caspase recruitment domain-containing protein 5; hASC; MGC10332; PYCARD; TMS-1; PYD and CARD domain containing; PYD and CARD domain containing protein; PYD and CARD domain-containing protein; Target of methylation induced silencing 1; Target of methylation-induced silencing 1; TMS 1.

**Research Area**

Tumour Cell biology immunology Signal transduction Apoptosis transcriptional regulatory factor TumourCell biologyMaker

**Immunogen Species**

Rabbit

**Clonality**

Polyclonal

**React Species**

Human(predicted:Mouse,Rat,Horse,Rabbit)

**Applications**

IHC-P=1:100-500,IHC-F=1:400-800,IF=1:100-500 (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight**

22kDa

**Cellular localization**

The nucleus cytoplasmic

**Form**

Liquid

**Concentration**

1mg/ml

**immunogen**

KLH conjugated synthetic peptide derived from mouse ASC: 101-190/193

**Lsotype**

IgG

**Purification**

affinity purified by Protein A

**Buffer Solution**

1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage**

Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed**

[PubMed](#)

Promotes caspase-mediated apoptosis. This proapoptotic activity is mediated predominantly through the activation of caspase-9. May be a component of the inflammasome, a protein complex which also includes NALP2, CARD8 and CASP1 and whose function would be the activation of proinflammatory caspases. Tissue specificity: Widely expressed at low levels. Detected in peripheral blood leukocytes, lung, small intestine, spleen, thymus, colon and at lower levels in placenta, liver and kidney. Very low expression in skeletal muscle, heart and brain. Detected in the leukemia cell lines HL-60 and U937, but not in Jurkat T-cell lymphoma and Daudi Burkitt's lymphoma.

**Function:**

Promotes caspase-mediated apoptosis. This proapoptotic activity is mediated predominantly through the activation of caspase-9. May be a component of the inflammasome, a protein complex which also includes NALP2, CARD8 and CASP1 and whose function would be the activation of proinflammatory caspases.

**Subunit:**

Forms complexes with other DAPIN domain-containing proteins. Interacts with CIAS1/PYPAF1 and PYDC1.

**Product  
Detail**

**Subcellular Location:**

Cytoplasm. Note=Upstream of caspase activation, a redistribution from the cytoplasm to the aggregates occurs. These appear as hollow, perinuclear spherical, ball-like structures.

**Tissue Specificity:**

Widely expressed at low levels. Detected in peripheral blood leukocytes, lung, small intestine, spleen, thymus, colon and at lower levels in placenta, liver and kidney. Very low expression in skeletal muscle, heart and brain. Detected in the leukemia cell lines HL-60 and U937, but not in Jurkat T-cell lymphoma and Daudi Burkitt's lymphoma. Detected in the melanoma cell line WM35, but not in WM793. Not detected in HeLa cervical carcinoma cells and Molt 4 lymphocytic leukemia cells.

**Post-translational modifications:**

Phosphorylated.

**Similarity:**

Contains 1 CARD domain.  
Contains 1 DAPIN domain.

**SWISS:**

Q9ULZ3

**Gene ID:**  
29108

**Database links:**

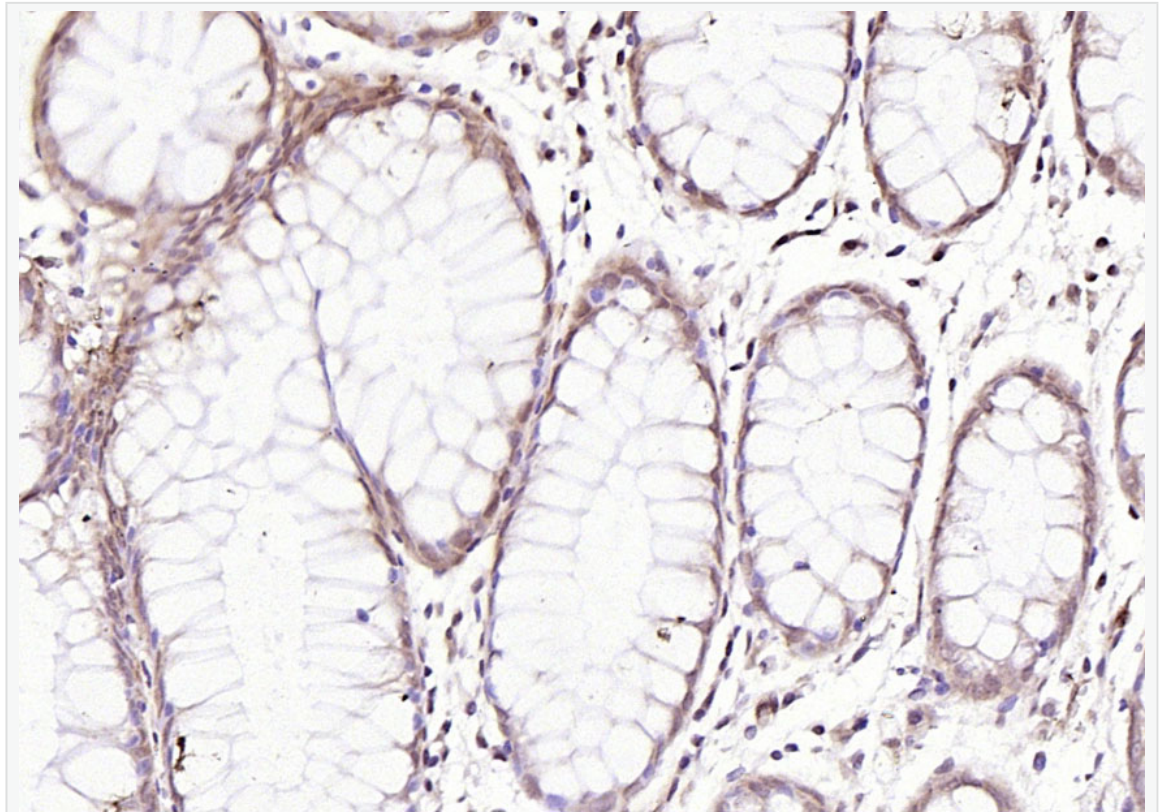
[Entrez Gene: 29108](#) Human

[Omim: 606838](#) Human

[SwissProt: Q9ULZ3](#) Human

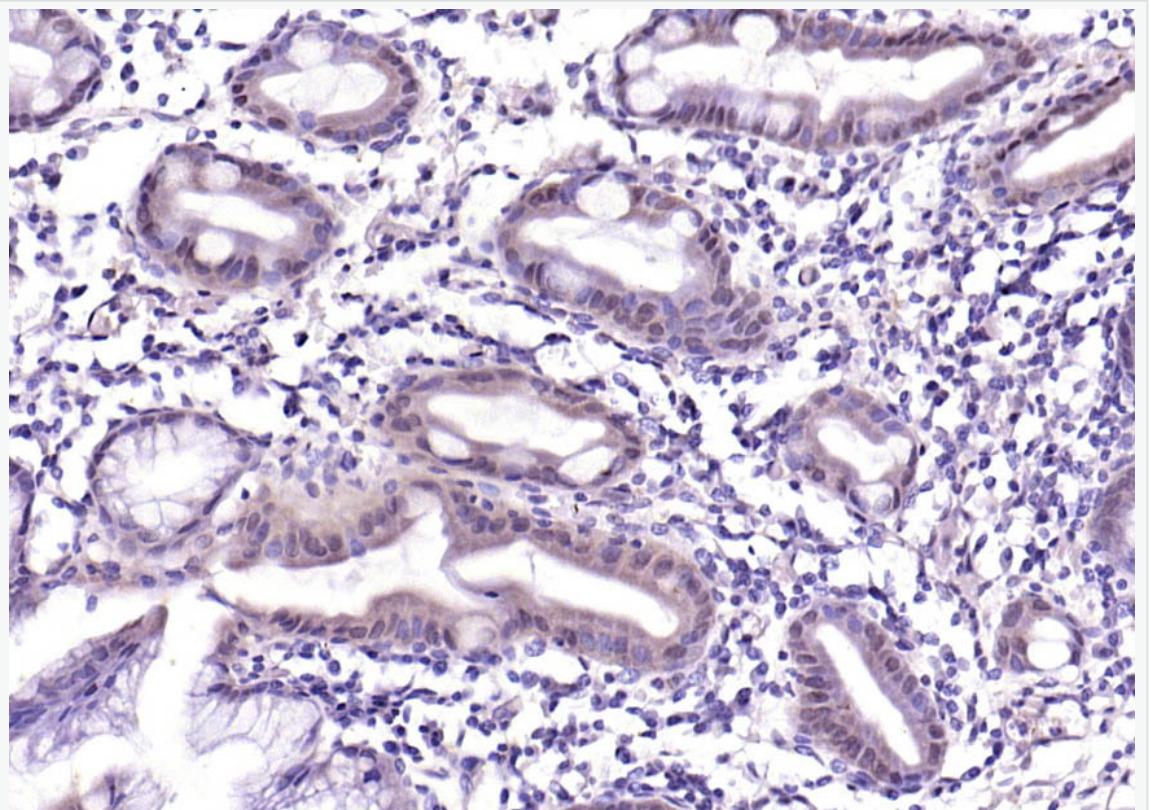
[Unigene: 499094](#) Human

**Product  
Picture**



Paraformaldehyde-fixed, paraffin embedded (Human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for

30min; Antibody incubation with (ASC) Polyclonal Antibody, Unconjugated (SL24399R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ASC) Polyclonal Antibody, Unconjugated (SL24399R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



SunLong Biotech Co.,LTD  
Tel: 0086-571-56623320 Fax:0086-571-56623318  
E-mail:sales@sunlongbiotech.com  
www.sunlongbiotech.com

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