

ASC/TMS1 Recombinant monoclonal antibody

Catalog Number: 88328-1-RR

Basic Information

Catalog Number:

88328-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0774

GenBank Accession Number:

BC004470

GeneID (NCBI):

29108

UNIPROT ID:

Q9ULZ3

Full Name:

PYD and CARD domain containing

Calculated MW:

25 kDa

Observed MW:

15-22 kDa

Purification Method:

Protein A purification

CloneNo.:

260842C2

Recommended Dilutions:

WB: 1:2000-1:10000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

human

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: A549 cells, HL-60 cells, U-937 cells, THP-1 cells

IP: HL-60 cells,

IHC: human colon cancer tissue, human tonsillitis tissue

Background Information

PYCARD, also known as ASC or TMS1, is a 195 amino acid protein containing an N-terminal Pyrin-Like domain (PYD) and an 87 residue C-terminal Caspase-associated recruitment domain (CARD). It promotes caspase-mediated apoptosis which is mediated predominantly through the activation of caspase-9. TMS1/ASC has different isoforms: ASC, ASC-b and ASC-c (PMID: 20482797).

Storage

Storage:

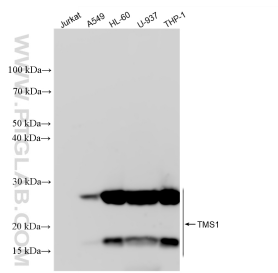
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

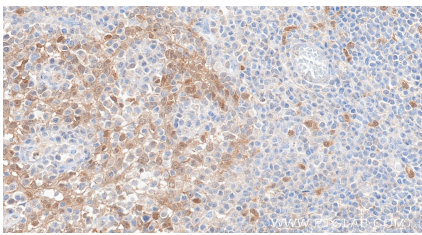
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

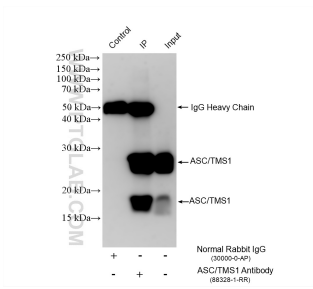
Selected Validation Data



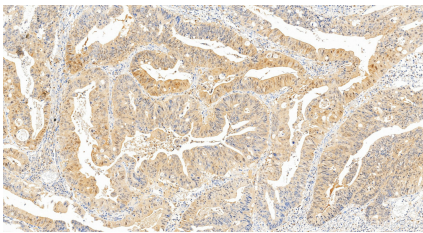
Various lysates were subjected to SDS PAGE followed by western blot with 88328-1-RR (TMS1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 88328-1-RR (ASC/TMS1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ASC/TMS1 (IP:88328-1-RR, 4ug; Detection:88328-1-RR 1:3000) with HL-60 cells lysate 1200 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 88328-1-RR (ASC/TMS1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).