

## RABBIT ANTI-ASC [TMS1] POLYCLONAL ANTIBODY

**CATALOG NUMBER:** AB3607      **QUANTITY:** 100 µg  
**LOT NUMBER:**      **CONCENTRATION:** XX mg/mL

**BACKGROUND:** Apoptosis is regulated by death domain (DD) and/or caspase recruitment domain (CARD) containing molecules and a caspase family of proteases. CARD containing cell death regulators include RAIDD, RICK, Bcl10, Apaf-1, ARC, caspase-2 and caspase-9. A novel CARD domain containing protein has been identified in human and mouse and designated ASC and TMS1. Ectopic expression of ASC/TMS1 induced apoptosis through activation of caspase-9 and inhibited the survival of human breast cancer cells. Overexpression of ASC/TMS1 induced DNA fragmentation. ASC/TMS1 is expressed in a variety of human and mouse tissues.

**SPECIFICITY:** Detects a 25 kDa band by western blot, corresponding to ASC/TMS1.

**IMMUNOGEN:** Peptide corresponding to aa 182-195 (RESQSYLVEDLERS) of human ASC.

**APPLICATIONS:** Western blot: 1:500  
HL60 whole cell lysate can be used as a positive control.  
Optimal working dilutions must be determined by end user.

**SPECIES REACTIVITY:** Human

**FORMAT:** Affinity purified immunoglobulin

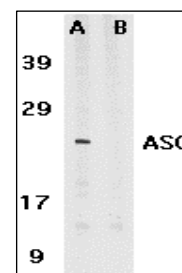
**PRESENTATION:** Liquid in PBS containing 0.02% sodium azide.

**STORAGE/HANDLING:** Maintain at 4°C for up to 6 months.

**REFERENCES:**

1. Masumoto, J. et al. (1999). *J. Biol. Chem* **274**: 33835-33838.
2. Masumoto, J. et al. (2001). *Exp. Cell Res.* **262**: 128-133.
3. Conway, K.E. et al. (2000). *Cancer Res.* **60**: 6236-6242.
4. McConnell B.B. et al. (2000). *Cancer Res.* **60**: 6243-6247.

Western blot analysis of ASC in HL60 whole cell lysate in the absence (A) or presence (B) of blocking peptide with anti-ASC at 1 µg /ml.





**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200  $\mu$ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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