

**bs-6741R****[ Primary Antibody ]****ASC/TMS1 Rabbit pAb****BioSS**  
**ANTIBODIES**

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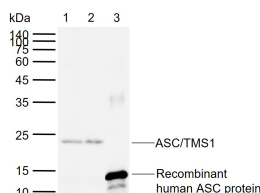
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**DATASHEET**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Human
<b>GeneID:</b> 29108	<b>SWISS:</b> Q9ULZ3	
<b>Target:</b> ASC/TMS1		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human ASC: 31-130/195.		<b>Predicted MW.:</b> 22 kDa
<b>Purification:</b> affinity purified by Protein A		<b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> 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.		

**VALIDATION IMAGES**

Sample: Lane 1: Human U937 cell lysates Lane 2: Human THP-1 cell lysates Lane 3: Recombinant human ASC protein, His Primary: Anti-ASC/TMS1 (bs-6741R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 22 kDa Observed band size: 22 kDa

**SELECTED CITATIONS**

- **[IF=24.1]** Luo Fan. et al. The BCL-2 inhibitor APG-2575 resets tumor-associated macrophages toward the M1 phenotype, promoting a favorable response to anti-PD-1 therapy via NLRP3 activation. CELL MOL IMMUNOL. 2023 Dec;;1-20 IF ;Mouse. 38062129
- **[IF=16]** Chuanlong Wang. et al. Serine synthesis sustains macrophage IL-1 $\beta$  production via NAD<sup>+</sup>-dependent protein acetylation. MOL CELL. 2024 Jan 23 IF ;Mouse. 38266638
- **[IF=11.799]** Chenyu Zhang. et al. The Nrf2-NLRP3-caspase-1 axis mediates the neuroprotective effects of Celastrol in Parkinson's disease. Redox Biol. 2021 Nov;47:102134 IF,IHC ;mouse. 34600334
- **[IF=9.988]** Li Jing. et al. DBDPE upregulates NOD-like receptor signaling to induce NLRP3 inflammasome-mediated

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

HAECs pyroptosis. ENVIRON POLLUT. 2023 Feb;318:120882 WB ;Human. 36549449

- **[IF=10.383]** Zhen Xu. et al. Green Biosynthesis of Silver Nanoparticles Using Aqueous Extracts of Ageratum Conyzoides and Their Anti-Inflammatory Effects. ACS APPL MATER INTER. 2023;XXXX(XXX):XXX-XXX WB ;Mouse,Human. 36881383