

**bs-5986R****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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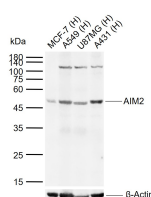
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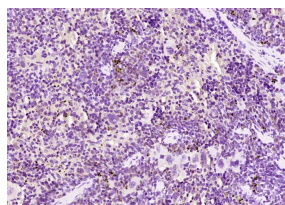
400-901-9800

**AIM2 Rabbit pAb****— DATASHEET —**

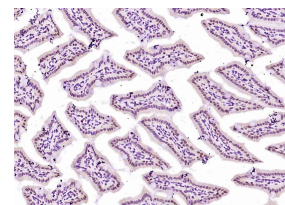
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 383619	<b>SWISS:</b> Q91VJ1	<b>IHC-F</b> (1:100-500)
<b>Target:</b> AIM2		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from mouse AIM2.: 255-354/354.		<b>Reactivity:</b> Human, Mouse (predicted: Rat)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 40 kDa
<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>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Background:</b> AIM2 is a member of the IFI20X /IFI16 family. It plays a putative role in tumorigenic reversion and may control cell proliferation. Interferon-gamma induces expression of AIM2.		

**— VALIDATION IMAGES —**

Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human A549 cell lysates Lane 3: Human U87MG cell lysates Lane 4: Human A431 cell lysates Primary: Anti-AIM2 (bs-5986R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kDa Observed band size: 46 kDa



Paraformaldehyde-fixed, paraffin embedded (mouse spleen); 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 (AIM2) Polyclonal Antibody, Unconjugated (bs-5986R) 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 (mouse intestine); 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 (AIM2) Polyclonal Antibody, Unconjugated (bs-5986R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=45.5]** Longyong Xu. et al. IRE1α silences dsRNA to prevent taxane-induced pyroptosis in triple-negative breast cancer. CELL. 2024 Oct 16 IF ;Mouse. 39419025
- **[IF=6.8]** Zhang Hongrong. et al. Multi-omics analysis deciphers intercellular communication regulating oxidative stress to promote oral squamous cell carcinoma progression. NPJ PRECIS ONCOL. 2024 Nov;8(1):1-18 IF ;Human. 39572698
- **[IF=5.959]** Yuan B et al. Inhibition of AIM2 inflammasome activation alleviates GSDMD-induced pyroptosis in early brain injury after subarachnoid haemorrhage. Cell Death Dis. 2020 Jan 30;11(1):76. IF,ICC ;Mouse. 32001670
- **[IF=6]** Pikria Ketelauri. et al. Acute Circadian Disruption Due to Constant Light Promotes Caspase 1 Activation in the Mouse Hippocampus. CELLS-BASEL. 2023 Jan;12(14):1836 WB ;Mouse. 37508501
- **[IF=6.3]** Syed Afroz Ali. et al. Berberine Inhibits the Disruption of the Blood–Brain Barrier and Glial Cell Activation in a Rat Model of Acute Hepatic Encephalopathy. PHYTOTHER RES. 2025 Jan;: WB ;Rat. 39791947

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