

## AIM2 Rabbit pAb

Catalog Number: bs-5986R

Target Protein: AIM2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted MW: 40 kDa

Entrez Gene: 383619

Swiss Prot: Q91VJ1

Source: KLH conjugated synthetic peptide derived from mouse AIM2.: 255-354/354.

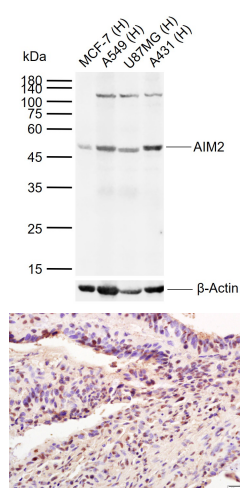
Purification: affinity purified by Protein A

Storage: 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.

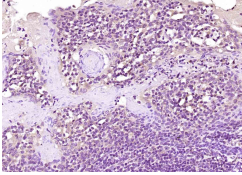
Background: AIM2 is a member of the IFI20X /IFI16 family. It plays a putative role in tumorigenic reversion and may control cell proliferation. Interferon-gamma induces expression of AIM2.

## VALIDATION IMAGES

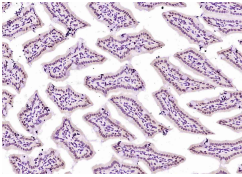


Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human A549 cell lysates Lane 3: Human U87MG cell lysates Lane 4: Human A431 cell lysates Primary: Anti-AIM2 (bs-5986R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kDa Observed band size: 46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

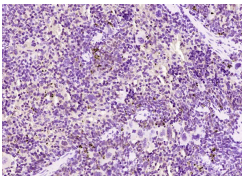
Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-AIM2 Polyclonal Antibody, Unconjugated(bs-5986R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (human tonsil); 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.



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.

## PRODUCT SPECIFIC PUBLICATIONS

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**[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=4.556]** Pardes Habibet al. Gonadal Hormones E2 and P Mitigate Cerebral Ischemia-Induced Upregulation of the AIM2 and NLRC4 Inflammasomes in Rats. Int J Mol Sci . 2020 Jul 7;21(13):4795. WB,IHC ; rat . 32645874