

## Anti-AIM2 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat)
Molecular Weight:	Theoretical: 40 kDa. Actual: 46 kDa.
Purification:	Protein A purified

## Applications

1. Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-AIM2 Polyclonal Antibody, Unconjugated (TMAB-00083) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

2. Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (AIM2) Polyclonal Antibody, Unconjugated (TMAB-00083) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

3. Paraformaldehyde-fixed, paraffin embedded (mouse intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (AIM2) Polyclonal Antibody, Unconjugated (TMAB-00083) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

4. Paraformaldehyde-fixed, paraffin embedded (mouse spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (AIM2) Polyclonal Antibody, Unconjugated (TMAB-00083) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

5. Sample:

Lane 1: Human MCF-7 cell lysates

Lane 2: Human A549 cell lysates

Lane 3: Human U87MG cell lysates

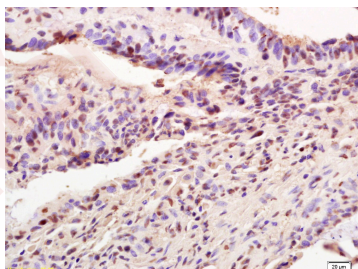
Lane 4: Human A431 cell lysates

Primary: Anti-AIM2 (TMAB-00083) at 1/1000 dilution

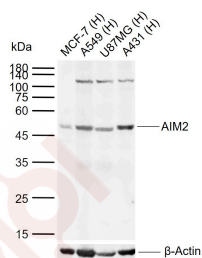
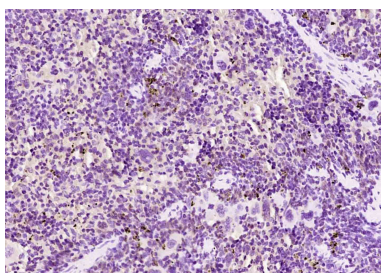
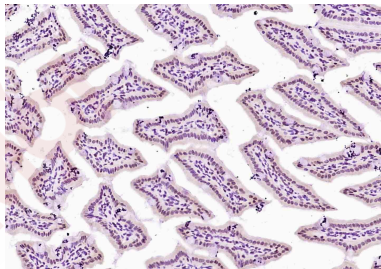
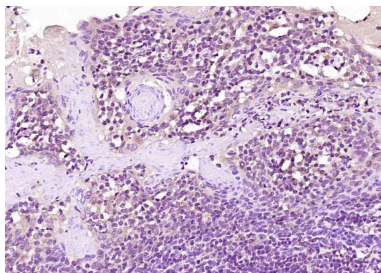
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 40 kDa

Observed band size: 46 kDa



Verified Activity:



Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: mouse AIM2.

Antigen Species: Mouse

Gene ID: 383619

Uniprot ID: Q91VJ1

Synonyms: PYHIN4;absent in melanoma 2

Biology Area: Tumor Suppressors,Tumor suppressors

Research Background

AIM2 is a member of the IFI202X /IFI16 family. It plays a putative role in tumorigenic reversion and may control cell proliferation. Interferon-gamma induces expression of AIM2.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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