

# AIM2 Polyclonal Antibody, eBioscience

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Non-human primate, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Form	Liquid
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10670279

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-Dependent	4 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Flow Cytometry (Flow)	-	1 Publication

## Product Specific Information

**Description:** This polyclonal antibody reacts with human, mouse, and rat AIM2 (also known as Antigen isolated from Immunoselected Melanoma 2). A member of the HIN-2000 family, this 40-kDa cytoplasmic protein is expressed in the spleen, small intestine, peripheral blood lymphocytes, and testis. Moreover, AIM2 is expressed in tumors of the neuroectodermis, breast, ovary, and colon. As a component of the inflammasome, AIM2 detects double-stranded viral and bacterial DNA present in the cytosol and initiates Caspase1 activation. Expression of AIM2 can be induced by interferons.

**Applications Reported:** This polyclonal antibody has been reported for use in immunoblotting (WB).

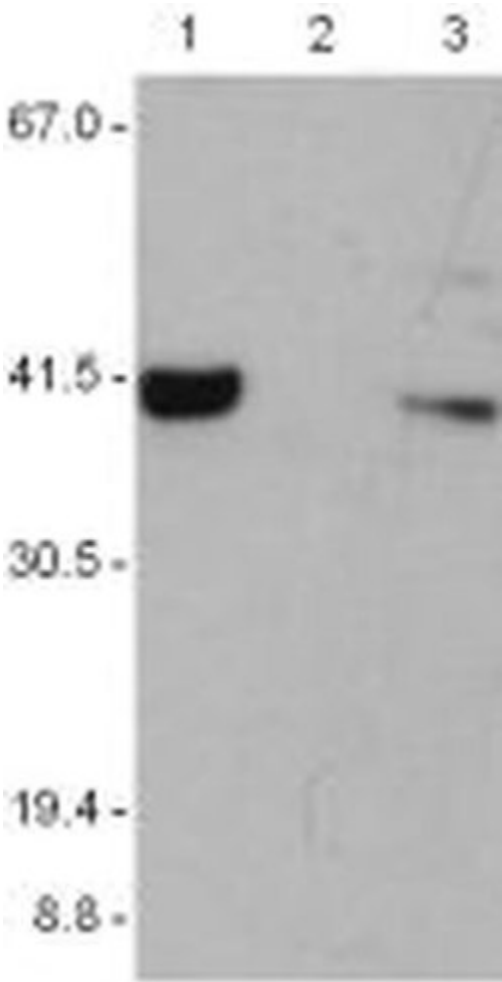
**Applications Tested:** This polyclonal antibody has been tested by immunoblotting of Jurkat cells and mouse macrophages treated for 12 hrs with IFN gamma and LPS. This can be used at less than or equal to a 1:1000 dilution. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Purity:** Greater than 90%, as determined by SDS-PAGE.

**Aggregation:** Less than 10%, as determined by HPLC.

**Filtration:** 0.2 µm post-manufacturing filtered.

Product Images For AIM2 Polyclonal Antibody, eBioscience



**AIM2 Antibody (14-6008-93) in WB**

Cell lysates prepared from Jurkat cells (lane 1) and mouse macrophages left untreated (lane 2) or treated for 12 hr with IFN gamma and LPS (lane 3) were immunoblotted with a 1:1000 dilution of the Anti-AIM2 polyclonal antibody. Bands were visualized using Anti-Rabbit IgG HRP.

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## Western Blot (4)

### Cell death & disease

#### Inhibition of AIM2 inflammasome activation alleviates GSDMD-induced pyroptosis in early brain injury after subarachnoid haemorrhage.

"14-6008 was used in Western Blotting to show that the inhibition of AIM2 inflammasome activation caused by knocking down AIM2 and caspase-1 alleviates GSDMD-induced pyroptosis in EBI after SAH."

Authors: Yuan B,Zhou XM,You ZQ,Xu WD,Fan JM,Chen SJ,Han YL,Wu Q,Zhang X

**Species**  
Human  
Not Applicable

**Dilution**  
1:1000  
Not Cited

**Year**  
2020

### Journal of inflammation (London, England)

#### Acidification changes affect the inflammasome in human nucleus pulposus cells.

"14-6008 was used in Western Blotting to suggest the inflammatory response through IL-1 in the human disc is not initiated in nucleus pulposus cells when stimulated with acidification."

Authors: Brand FJ,Forouzandeh M,Kaur H,Travascio F,de Rivero Vaccari JP

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2016

[View more WB references on thermofisher.com](#)

## Immunohistochemistry (2)

### Cell death & disease

#### Inhibition of AIM2 inflammasome activation alleviates GSDMD-induced pyroptosis in early brain injury after subarachnoid haemorrhage.

"14-6008 was used in Western Blotting to show that the inhibition of AIM2 inflammasome activation caused by knocking down AIM2 and caspase-1 alleviates GSDMD-induced pyroptosis in EBI after SAH."

Authors: Yuan B,Zhou XM,You ZQ,Xu WD,Fan JM,Chen SJ,Han YL,Wu Q,Zhang X

**Species**  
Human  
Not Applicable

**Dilution**  
1:1000  
Not Cited

**Year**  
2020

### Journal of inflammation (London, England)

#### Expression analysis of inflammasomes in experimental models of inflammatory and fibrotic liver disease.

"14-6008 was used in Immunohistochemistry on paraffin embedded tissues to investigate the expression of the different inflammasomes in various primary hepatic cell subpopulations."

Authors: Boaru SG,Borkham-Kamphorst E,Tihaa L,Haas U,Weiskirchen R

**Species**  
Rat

**Dilution**  
1:1000

**Year**  
2012

## More applications with references on thermofisher.com

[IHC \(P\) \(1\)](#) [Flow \(1\)](#)

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