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# Datasheet for ABIN7156703 anti-AIM2 antibody (AA 81-326)

3 Images



# Overview

Quantity:	100 µg
Target:	AIM2
Binding Specificity:	AA 81-326
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIM2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

# Product Details

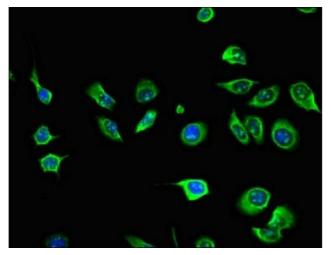
Immunogen:	Recombinant Human Interferon-inducible protein AIM2 protein (81-326AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

# Target Details

Target:	AIM2
Alternative Name:	AIM2 (AIM2 Products)
Background:	Background: Involved in innate immune response by recognizing cytosolic double-stranded
	DNA and inducing caspase-1-activating inflammasome formation in macrophages. Upon

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	binding to DNA is thought to undergo oligomerization and to associate with PYCARD initiating
	the recruitment of caspase-1 precusrsor and processing of interleukin-1 beta and interleukin-
	18. Detects cytosolic dsDNA of viral and bacterial origin in a non-sequence-specific manner.
	Can also trigger PYCARD-dependent, caspase-1-independent cell death that involves caspase-8
	(By similarity). Tumor suppressor which may act by repressing NF-kappa-B transcriptional
	activity.
	Aliases: Absent in melanoma 2 antibody, AIM 2 antibody, Aim2 antibody, AIM2_HUMAN
	antibody, Interferon-inducible protein AIM2 antibody, OTTHUMP00000035296 antibody,
	PYHIN4 antibody
UniProt:	014862
Pathways:	Activation of Innate immune Response, Positive Regulation of Endopeptidase Activity,
	Inflammasome
Application Details	
Application Notes:	Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be
	handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



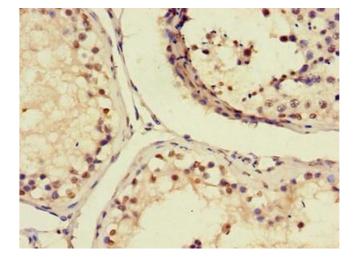
# $120KD \rightarrow 90KD \rightarrow 50KD \rightarrow 50KD \rightarrow 25KD \rightarrow 20KD \rightarrow 00KD \rightarrow$

## Immunofluorescence

**Image 1.** Immunofluorescent analysis of A549 cells using ABIN7156703 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

## Western Blotting

**Image 2.** Western Blot Positive WB detected in: K562 whole cell lysate, SH-SY5Y whole cell lysate All lanes: AIM2 antibody at 2.7 µg/mL Secondary Goat polyclonal to rabbit lgG at 1/50000 dilution Predicted band size: 39 kDa Observed band size: 39, 45 kDa



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7156703 at dilution of 1:100