antibodies - online.com







anti-AIM2 antibody (AA 14-215)



Images



Overview

Quantity:	100 μg	
Target:	AIM2	
Binding Specificity:	AA 14-215	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This AIM2 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Purpose:	Rabbit IgG polyclonal antibody for Interferon-inducible protein AIM2(AIM2) detection. Tested	
	with WB, IHC-P in Human,Mouse,Rat.	
Immunogen:	E.coli-derived human AIM2 recombinant protein (Position: L14-H215). Human AIM2 shares	
	53.8% amino acid (aa) sequence identity with mouse AIM2.	
Isotype:	IgG	
Cross-Reactivity (Details):	No cross reactivity with other proteins.	
Characteristics:	Rabbit IgG polyclonal antibody for Interferon-inducible protein AIM2(AIM2) detection. Tested	
	with WB, IHC-P in Human,Mouse,Rat.	
	Gene Name: absent in melanoma 2	
	Protein Name: Interferon-inducible protein AIM2	
Purification:	Immunogen affinity purified.	

Target Details

Target:	AIM2
Alternative Name:	AIM2 (AIM2 Products)
Background:	Interferon-inducible protein AIM2, also known as absent in melanoma 2 or simply AIM2, is a protein that in humans is encoded by the AIM2 gene. It is mapped to 1q22. AIM2 is a member of the Ifi202/IFI16 family. It plays a putative role in tumorigenic reversion and may control cell proliferation. Interferon-gamma induces expression of AIM2. Though there has been virtually no biochemistry performed, a model based on cell-based or in vivo experiments has led to the current model of how AIM2 triggers the inflammasome. The C-terminal HIN domain binds double stranded DNA (either viral, bacterial, or even host) and acts as a cytosolic dsDNA sensor. This leads to the oligomerization of the inflammasome complex. The N-terminal pyrin domain of AIM2 interacts with the pyrin domain of another protein ASC (or Apoptosis-associated Speck-like protein containing a caspase activation and recruitment domain). ASC also contains a CARD domain (caspase activation and recruitment domain), that recruits procaspase-1 to the complex. This leads to the autoactivation of caspase-1, an enzyme that processes proinflammatory cytokines (IL-1b and IL-18).
	Synonyms: Absent in melanoma 2 antibody AIM 2 antibody Aim2 antibody AIM2_HUMAN antibody Interferon-inducible protein AIM2 antibody OTTHUMP00000035296 antibody PYHIN4 antibody
Gene ID:	9447
UniProt: Pathways:	O14862 Activation of Innate immune Response, Positive Regulation of Endopeptidase Activity, Inflammasome
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Application Details

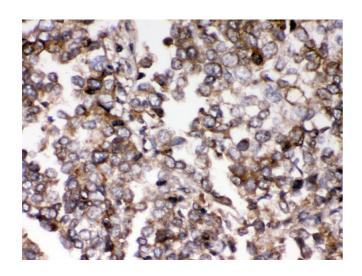
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11636	ictions.	

For Research Use only

Handling

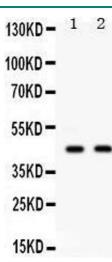
Format:	Lyophilized	
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.	
Concentration:	500 μg/mL	
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.	

Images



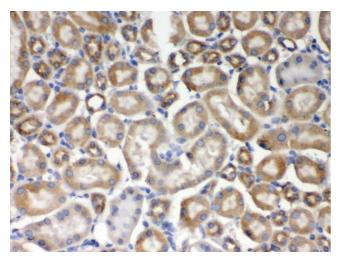
Immunohistochemistry

Image 1. Anti- AIM2 Picoband antibody, IHC(P): Human Lung Cancer Tissue



Western Blotting

Image 2. Observed bind size: 45KD



Immunohistochemistry

Image 3. Anti- AIM2 Picoband antibody, IHC(P) IHC(P): Mouse Kidney Tissue

Please check the product details page for more images. Overall 4 images are available for ABIN3043780.