

Rabbit AIM2 Polyclonal Antibody | anti-AIM2 antibody

AIM2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA269107	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

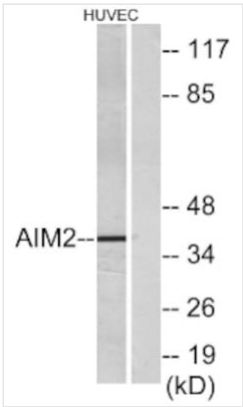
PRODUCT SYNONYMS

AIM2; Polyclonal Antibody; AIM2 Polyclonal Antibody; Interferon-inducible protein AIM2; Absent in melanoma 2; anti-AIM2 antibody

PRODUCT SPECIFICATIONS

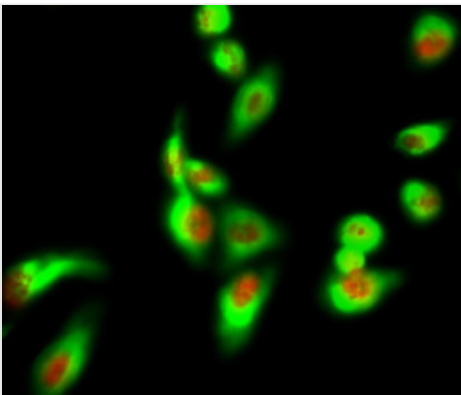
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AIM2 Polyclonal Antibody detects endogenous levels of AIM2 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-AIM2 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthesized peptide derived from the Internal region of human AIM2. AA range:51-100
Function	disease:Defects in AIM2 may be a cause of microsatellite unstable colon cancers., function: Tumor suppressor which may act by repressing NF-kappa-B transcriptional activity.,induction:By interferon gamma.,similarity:Belongs to the HIN-200 family.,similarity:Contains 1 DAPIN domain., similarity:Contains 1 HIN-200 domain.,subunit:Homodimer.,tissue specificity:Expressed in spleen, small intestine, peripheral blood leukocytes, and testis.
Subcellular Location	Nucleus. Cytoplasm. Activated inflammasomes can aggregate in the cytosol as speck-like particles.
Expression	Expressed in spleen, small intestine, peripheral blood leukocytes, and testis.
Preparation and Storage	Store at -15°C to -25°C/1 year (Do not lower than -25°C)

IMAGES



WB (Western Blot)

Western blot analysis of lysates from HUVEC cells, using AIM2 Antibody. The lane on the right is blocked with the synthesized peptide.



IF (Immunofluorescence)

Immunofluorescence analysis of Hela cell. AIM2 Polyclonal Antibody (red) was diluted at 1:200 (4°C overnight). HSP70 Monoclonal Antibody (3G10) (green) was diluted at 1:200 (4°C overnight). Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000 (room temperature, 50min).

ADDITIONAL INFORMATION

Related Product Information for anti-AIM2 antibody	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.
Product Categories/Family for anti-AIM2 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757734
NCBI GeneID	9447
NCBI Accession #	NP_004824.1
NCBI GenBank Nucleotide #	NM_004833.1
UniProt Accession #	O14862; Q5T3V9; Q96FG9; A8K7M7
Molecular Weight	39kD
NCBI Official Full Name	interferon-inducible protein AIM2
NCBI Official Synonym Full Names	absent in melanoma 2
NCBI Official Symbol	AIM2
NCBI Official Synonym Symbols	PYHIN4
NCBI Protein Information	interferon-inducible protein AIM2
UniProt Protein Name	Interferon-inducible protein AIM2
UniProt Gene Name	AIM2
UniProt Entry Name	AIM2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.