

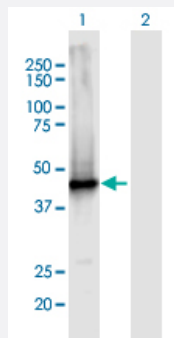
MaxPab®

AIM2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00009447-B01P

Size 50 ug

Applications

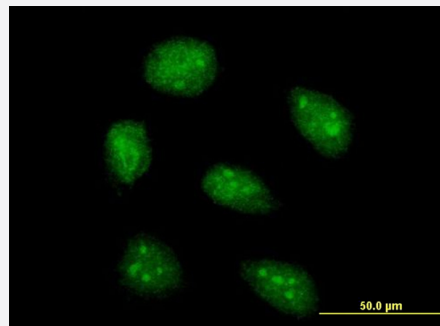


Western Blot (Transfected lysate)

Western Blot analysis of AIM2 expression in transfected 293T cell line by AIM2 MaxPab polyclonal antibody.

Lane 1: AIM2 transfected lysate(37.73 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to AIM2 on HeLa cell.
[antibody concentration 10 ug/ml]

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human AIM2 protein.

Immunogen

AIM2 (NP_004824, 1 a.a. ~ 343 a.a) full-length human protein.

Sequence

MESKYKEILLTGLDNITDEELDRFKFFLSDEFNIATGKLHTANRIQVATLMIQNAGAVSAVMKTIRIF
QKLNMYMLLAKRLQEEKEKVDKQYKSVTKPKPLSQAEMSPAASAAIRNDVAKQRAAPKVSPHVKP
EQKQMVAAQQESIREGFQKRCLPVMVLKAKKPFTFETQEGKQEMFHATVATEKEFFFFVKVFNTLL
KDKFIPKRIIIIARYYRHSGFLEVNSASRVLD AESDQKVNVP LNIIIRKAGETPKINTLQTQPLGTIVNGLF
VVQKVTEKKKNILFDLSDNTGKMEVLGVRNEDTMKCKEGDKVRLTFFTL SKNGEKLQLTSGVHST
IKVIKAKKKT

Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (55)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of AIM2 expression in transfected 293T cell line by AIM2 MaxPab polyclonal antibody.

Lane 1: AIM2 transfected lysate(37.73 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to AIM2 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — AIM2

Entrez GeneID	9447
GeneBank Accession#	NM_004833
Protein Accession#	NP_004824
Gene Name	AIM2
Gene Alias	PYHIN4
Gene Description	absent in melanoma 2
Omim ID	604578
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000035296

Publication Reference

- [Constitutive Interferon-Inducible Protein 16-Inflammasome Activation during Epstein-Barr Virus Latency I, II, and III in B and Epithelial Cells.](#)

Ansari MA, Singh VV, Dutta S, Veettil MV, Dutta D, Chikoti L, Lu J, Everly D, Chandran B.

Journal of Virology 2013 Aug; 87(15):8606.

Application: WB-Ce, WB-Tr, Human, Ramos, LCL, Raji, C666-1 cells

- [Interactome-wide analysis identifies end-binding protein 1 as a crucial component for the speck-like particle formation of activated absence in melanoma 2 \(AIM2\) inflammasomes.](#)

Wang LJ, Hsu CW, Chen CC, Liang Y, Chen LC, Ojcius DM, Tsang NM, Hsueh C, Wu CC, Chang YS.

Molecular & Cellular Proteomics 2012 Nov; 11(11):1230.

Application: WB-Tr, Human, NPC TW02 cells

- [Absent in Melanoma 2 \(AIM2\) is an important mediator of interferon-dependent and -independent HLA-DRA and HLA-DRB gene expression in colorectal cancers.](#)

Lee J, Li L, Gretz N, Gebert J, Dihlmann S.

Oncogene 2012 Mar; 31(10):1242.

Application: WB-Ce, Human, HCT-116 cells

- [AIM2 activates the inflammasome and cell death in response to cytoplasmic DNA.](#)

Fernandes-Alnemri T, Yu JW, Datta P, Wu J, Alnemri ES.

Nature 2009 Mar; 458(7237):509.

Application: WB, Human, THP-1, 293T cells

Disease

- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)