ARG41233
anti-AIM2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes AIM2
Tested Reactivity	Hu
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	AIM2
Species	Human
Immunogen	Synthetic peptide around the internal region of Human AIM2. (C-DKQYKSVTKPKPLSQ) (NP_004824.1)
Conjugation	Un-conjugated
Alternate Names	PYHIN4; Interferon-inducible protein AIM2; Absent in melanoma 2

Application Instructions

Application table

Application	Dilution
WB	0.3 - 1 µg/ml

Application Note: WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 39 kDa

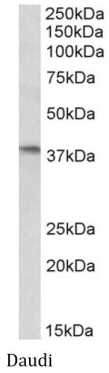
Properties

Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	AIM2
Gene Full Name	absent in melanoma 2
Background	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, Jul 2008]
Function	Involved in innate immune response by recognizing cytosolic double-stranded DNA and inducing caspase-1-activating inflammasome formation in macrophages. Upon 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. [UniProt]
Calculated Mw	39 kDa
Cellular Localization	Nucleus. Cytoplasm. Note=Activated inflammasomes can aggregate in the cytosol as speck-like particles. [UniProt]

Images



ARG41233 anti-AIM2 antibody WB image

Western blot: 35 µg of Daudi cell lysate (in RIPA buffer) stained with ARG41233 anti-AIM2 antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.