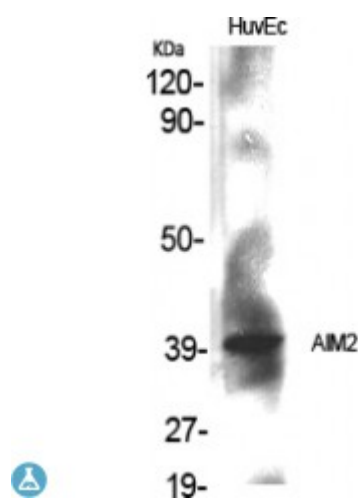


Anti-AIM2 antibody



Description	Rabbit polyclonal to AIM2.
Model	STJ91516
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human AIM2
Immunogen Region	30-110 aa, Internal
Gene ID	9447
Gene Symbol	AIM2
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:40000
Specificity	AIM2 Polyclonal Antibody detects endogenous levels of AIM2 protein.
Tissue Specificity	Expressed in spleen, small intestine, peripheral blood leukocytes, and testis.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Interferon-inducible protein AIM2 Absent in melanoma 2
Molecular Weight	39 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:357OMIM:604578
Alternative Names	Interferon-inducible protein AIM2 Absent in melanoma 2
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 precursor 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 . Tumor suppressor which may act by repressing NF-kappa-B transcriptional activity.
Sequence and Domain Family	The pyrin domain mediates homotypic interaction with PYCARD . The HIN-20 domain mediates dsDNA binding via electrostatic interactions.
Cellular Localization	Nucleus. Cytoplasm. Activated inflammasomes can aggregate in the cytosol as speck-like particles.

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com