

Goat anti-AIM2 Antibody

Item Number	dAP-2061
Target Molecule	Principle Name: AIM2; Official Symbol: AIM2; All Names and Symbols: AIM2; absent in melanoma 2; PYHIN4; Accession Number (s): NP_004824.1; Human Gene ID(s): 9447; Non-Human GeneID(s):
Immunogen	GEKLQLTSGVHSTIK, is from C Terminus
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	Western Blot: Approx 50+55kDa bands observed in lysates of Human WI-38 fibroblast after treatment with interferon beta (calculated MW of 39.0kDa according to NP_004824.1). The observed molecular weight corresponds to earlier findings in literature with
IHC	Immunohistochemistry: In paraffin embedded Human Spleen shows nucleolar staining in some splenocytes. Recommended concentration, 4-6µg/ml.
Reference	Reference(s): Fernandes-Alnemri T, Yu JW, Datta P, Wu J, Alnemri ES, AIM2 activates the inflammasome and cell death in response to cytoplasmic DNA. Nature 2009 Mar 458 (7237): 509-13..PMID: 19158676->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**