

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB09874 - Goat Anti-AIM2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: absent in melanoma 2, PYHIN4, AIM2

Official Symbol: AIM2

Accession Number(s): NP_004824.1; NP_001335176.1

Human GeneID(s): 9447

Immunogen

Peptide with sequence C-GEKLQLTSGVHSTIK, from the C Terminus of the protein sequence according to NP_004824.1; NP_001335176.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

Western blot: Approx 37kDa band observed in lysates of cell line HeLa (calculated MW of 39.0kDa according to Human NP_004824.1). Recommended concentration:

0.5-1ug/ml. Primary incubation 1 hour at room temperature.

IHC: In paraffin embedded Human Spleen shows nucleolar staining in some splenocytes. Recommended concentration: 4-6µg/ml.

Immunofluorescence: Strong expression of the protein seen in U2OS and HeLa cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

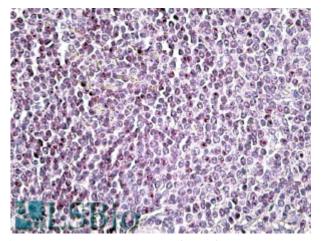
Tested: Human

Expected from sequence similarity: Human

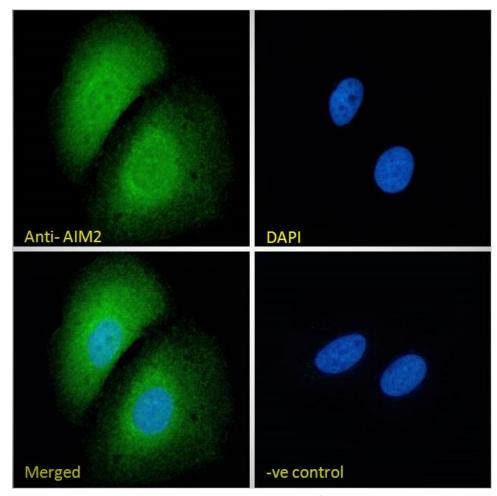
250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

15kDa

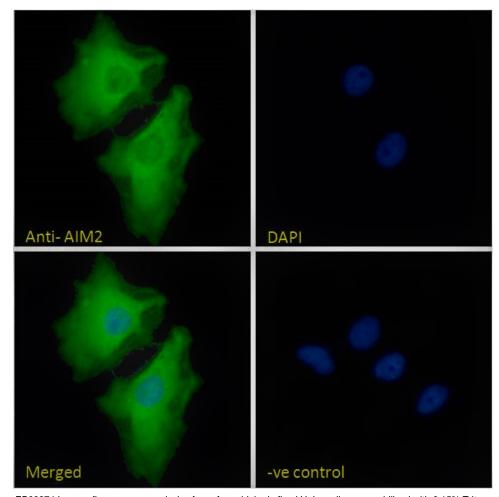
EB09874 (0.75μg/ml) staining of HeLa cell lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



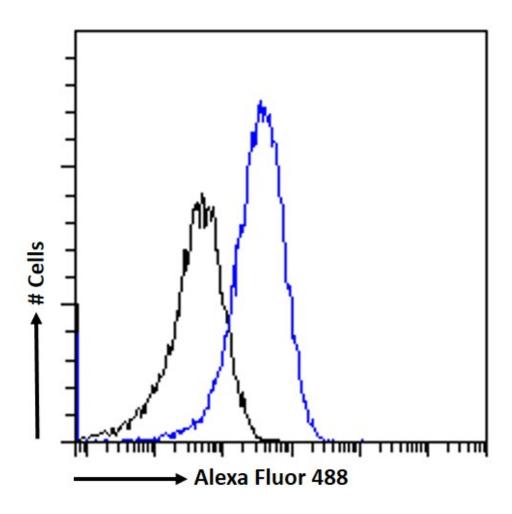
EB09874 (3.75 μ g/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB09874 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and some nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09874 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and some nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09874 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.