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Research Use Only. Not for diagnostic or therapeutic use.

EB12621 - Goat Anti-AIFM1 (aa183-195) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: AIFM1, apoptosis-inducing factor, mitochondrion-associated, 1, AIF, CMTX4, COWCK, COXPD6, PDCD8, apoptosis-inducing factor 1, mitochondrial, programmed cell death 8 (apoptosis-inducing factor), striatal apoptosis-inducing factor

Official Symbol: AIFM1

Accession Number(s): NP_004199.1; NP_665811.1; NP_001124319.1

Human GeneID(s): 9131

Important Comments: This antibody is expected to recognize isoform 1 (NP_004199.1),

isoform 2 (NP_665811.1) and isoform 5 (NP_001124319).

Immunogen

Peptide with sequence C-DDPNVTKTLRFKQ, from the internal region of the protein sequence according to NP_004199.1; NP_665811.1; NP_001124319.1.

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 1:128000.

Western blot: Approx 70kDa band observed in lysates of cell line Jurkat (calculated MW of 66.9kDa according to NP_004199.1). Recommended concentration: 0.1-0.3μg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Kidney. Recommended concentration: 5-7µg/ml.

Immunofluorescence: Strong expression of the protein seen in the Mitochondria of HeLa and NIH3T3 cells. Recommended concentration: 5-10µg/ml.

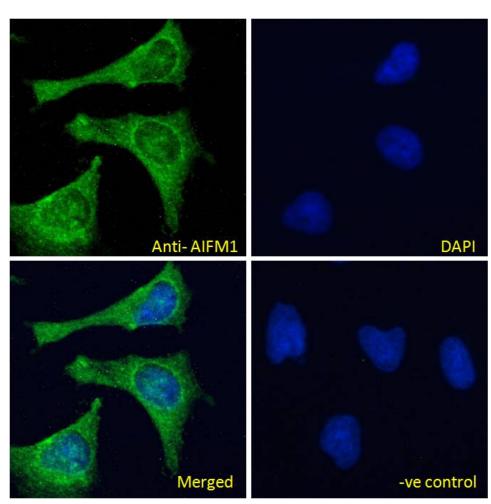
Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Cow

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

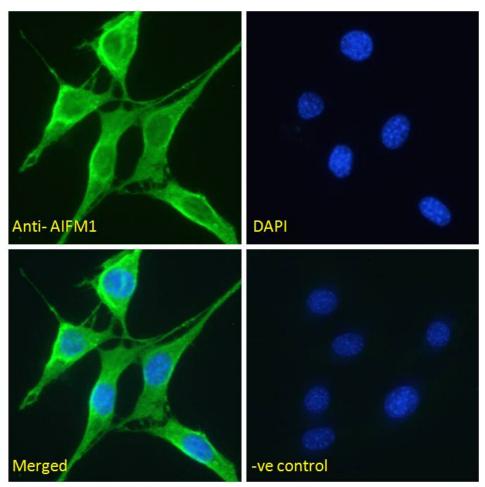
EB12621 (0.1µg/ml) staining of Jurkat lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



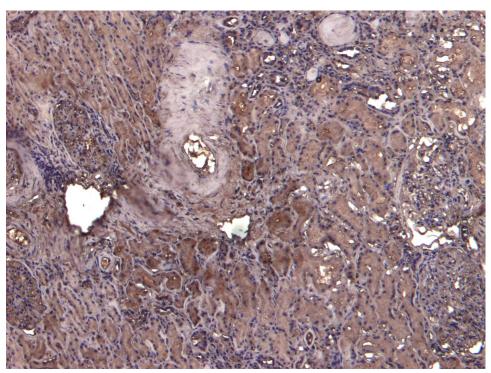
EB12621 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton.

Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing

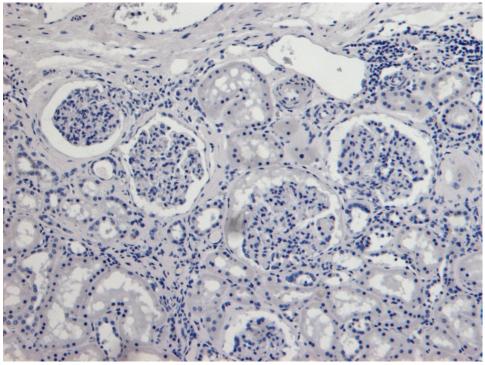
Mitochondrial staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml)



EB12621 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Mitochondrial staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12621 ($5\mu g/ml$) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer Ph 6, HRP-staining.



EB12621 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.