Datasheet for ABIN2630015

anti-AIF antibody (C-Term)

6 Images

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Overview

Quantity:	100 µg
Target:	AIF (AIFM1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Pig
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This AIF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	AIFM1
Immunogen:	Peptide with sequence C-NEVAKLFNIHED, from the C Terminus of the protein sequence
Sequence:	NEVAKLFNIH ED
Isotype:	IgG
Specificity:	This antibody is expected to recognize isoform 1 (NP_004199.1), isoform 2 (NP_665811.1), isoform 3 (NP_665812.1) and isoform 4 (NP_001124318.1).
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	AIF (AIFM1)
Alternative Name:	AIFM1 (AIFM1 Products)
Background:	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
Gene ID:	9131, 26926, 83533
NCBI Accession:	NP_004199, NP_665811, NP_665812, NP_001124318
Pathways:	Apoptosis, Positive Regulation of Endopeptidase Activity, Cell RedoxHomeostasis, Smooth Muscle Cell Migration, Warburg Effect

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Liver. Recommended concentration: 5 µg/mL. Western Blot: Approx 70 kDa band observed in lysates of cell line Jurkat and NIH3T3, and in Mouse and Rat Heart and Kidney lysates. Approx. 65 kDa observed in Pig Heart lysates (calculated MW of 66.9 kDa according to Human NP_004199.1 and 66.8 kDa according Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	**Immunofluorescence:** Strong expression of the protein seen in the Mitochondria of HeLa and U2OS cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.

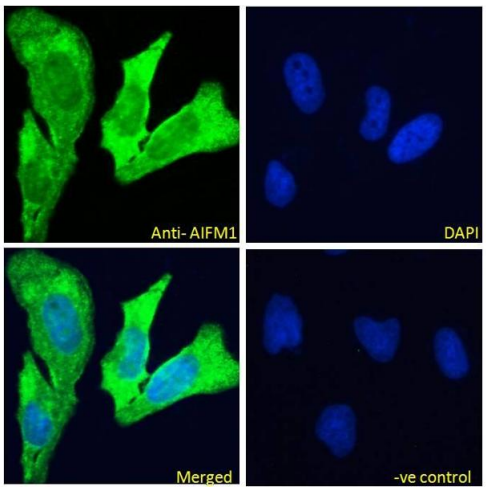
Handling

Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images

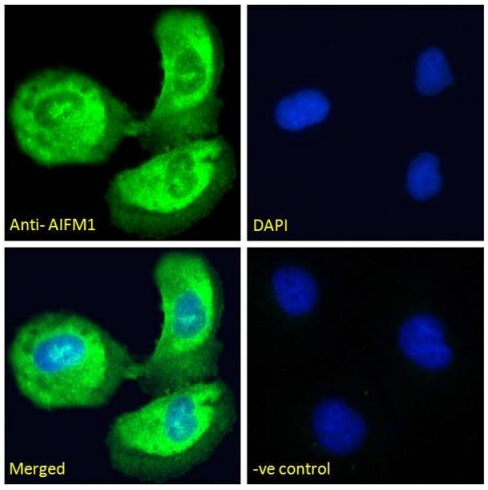
Western Blotting

Image 1. ABIN2630015 (0.1µg/ml) staining of NIH3T3 lysate (35µg protein in RIPA buffer) Detected by chemiluminescence.



Immunofluorescence

Image 2. ABIN2630015-P1 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) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunofluorescence

Image 3. ABIN2630015-P1 Immunofluorescence analysis of paraformaldehyde fixed U2OS 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 DA

Please check the product details page for more images. Overall 6 images are available for ABIN2630015.