Datasheet for ABIN2613375

anti-AIF antibody (AA 183-195)

5 Images

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Overview

Quantity:	100 µg
Target:	AIF (AIFM1)
Binding Specificity:	AA 183-195
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This AIF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	AIFM1 (aa183-195)
Immunogen:	Peptide with sequence C-DDPNVTKTLRFKQ, from the internal region of the protein sequence
Sequence:	DDPNVTKTLR FKQ
Isotype:	IgG
Specificity:	This antibody is expected to recognize isoform 1 (NP_004199.1), isoform 2 (NP_665811.1) and isoform 5 (NP_001124319).
Cross-Reactivity:	Cow, Human
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
NCBI Accession:	NP_004199, NP_665811, NP_001124319
Pathways:	Apoptosis, Positive Regulation of Endopeptidase Activity, Cell RedoxHomeostasis, Smooth Muscle Cell Migration, Warburg Effect

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Kidney. Recommended concentration: 5-7 µg/mL. Western Blot: Approx 70 kDa band observed in lysates of cell line Jurkat (calculated MW of 66.9 kDa according to NP_004199.1). Recommended concentration: 0.1-0.3 µg/mL. Primary incubation 1 hour at room temperature. Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	**Immunofluorescence:** Strong expression of the protein seen in the Mitochondria of HeLa and NIH3T3 cells. Recommended concentration: 5-10µg/ml.
Restrictions:	For Research Use only

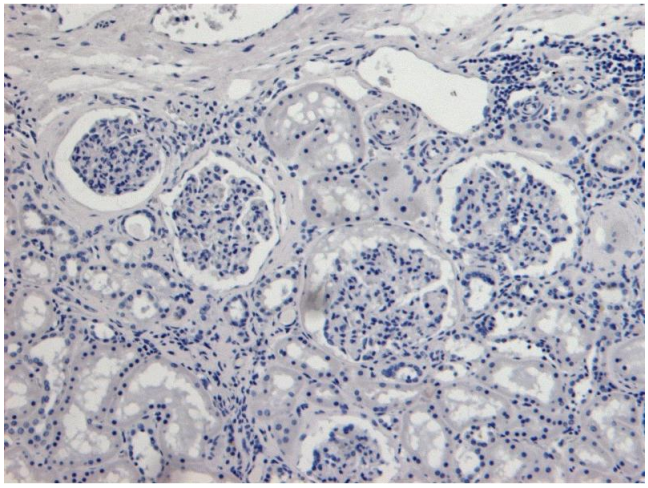
Handling

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

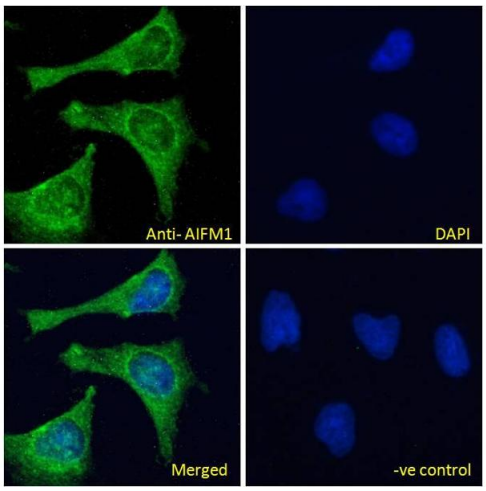
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



Immunohistochemistry

Image 1. (ABIN2613375) Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.



Immunofluorescence

Image 2. ABIN2613375-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 DA

Western Blotting

Image 3. ABIN2613375 (0.1µg/ml) staining of Jurkat lysate (35µg protein in RIPA buffer).Detected by chemiluminescence.

Please check the product details page for more images. Overall 5 images are available for ABIN2613375.