

Datasheet for ABIN2855383
anti-AIF antibody (N-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	AIF (AIFM1)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIF antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human AIF. The exact sequence is proprietary.
Isotype:	IgG
Characteristics:	Rabbit Polyclonal antibody to AIF (apoptosis-inducing factor, mitochondrion-associated, 1) AIF antibody [N1N2], N-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	AIF (AIFM1)
Alternative Name:	AIF (AIFM1 Products)

Target Details

Background:	<p>This gene encodes a flavoprotein essential for nuclear disassembly in apoptotic cells that is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it effects chromosome condensation and fragmentation. In addition, this gene product induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. Several alternative transcripts encoding different isoforms have been identified for this gene.</p> <p>Cellular Localization: Mitochondrion intermembrane space , Nucleus</p>
Molecular Weight:	67 kDa
Gene ID:	9131
Pathways:	Apoptosis , Positive Regulation of Endopeptidase Activity , Cell RedoxHomeostasis , Smooth Muscle Cell Migration , Warburg Effect

Application Details

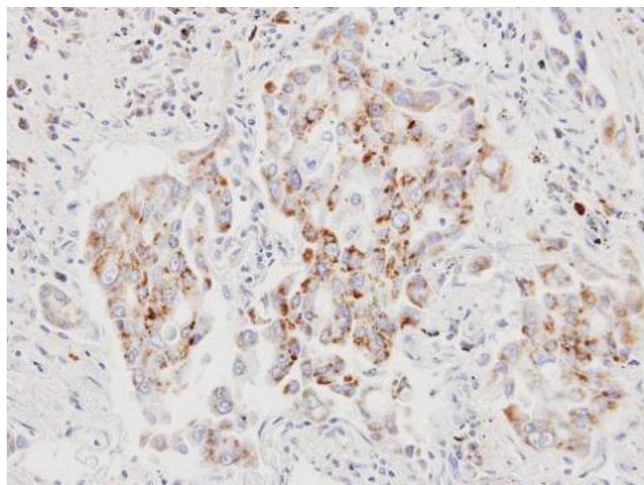
Application Notes:	<p>Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*</p>
Comment:	Positive Control: 293T , A431 , HeLa , HepG2 , A375
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.72 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw

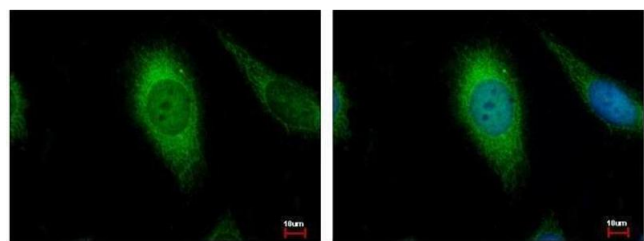
cycles.

Validation report #104383 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



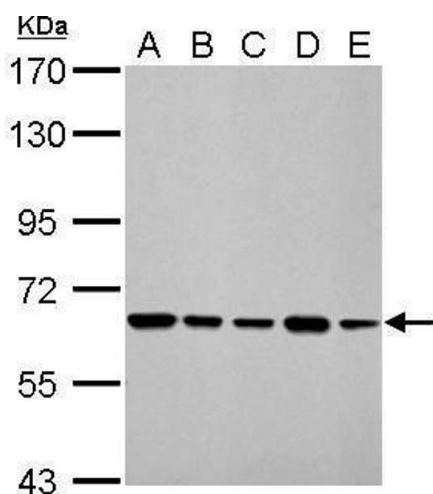
Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded human lung cancer, using AIF, antibody at 1:100 dilution.



Immunofluorescence

Image 2. ICC/IF Image AIF antibody [N1N2], N-term detects AIFM1 protein at Mitochondria by immunofluorescent analysis. Sample: HeLa cells were fixed in 2% paraformaldehyde/culture medium at 37°C for 30 min. *Green: AIFM1 protein stained by AIF antibody [N1N2], N-term, diluted at 1:500. Blue: Hoechst 33343 staining.*



Western Blotting

Image 3. WB Image AIF antibody [N1N2], N-term detects AIFM1 protein by Western blot analysis. A. 30 μg 293T whole cell lysate/extract B. 30 μg A431 whole cell lysate/extract C. 30 μg HeLa whole cell lysate/extract D. 30 μg HepG2 whole cell lysate/extract E. 30 μg A375 whole cell lysate/extract 7.5 % SDS-PAGE AIF antibody [N1N2], N-term, dilution: 1:1000

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2855383.