

Datasheet for ABIN652856
anti-AIF antibody (N-Term)

5 Images

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Overview

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|----------------------|--|
| Quantity: | 400 µL |
| Target: | AIF (AIFM1) |
| Binding Specificity: | AA 70-98, 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)), Flow Cytometry (FACS) |

Product Details

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|---------------|--|
| Immunogen: | This AIFM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 70-98 amino acids from the N-terminal region of human AIFM1. |
| Clone: | RB22966 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

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

Target Details

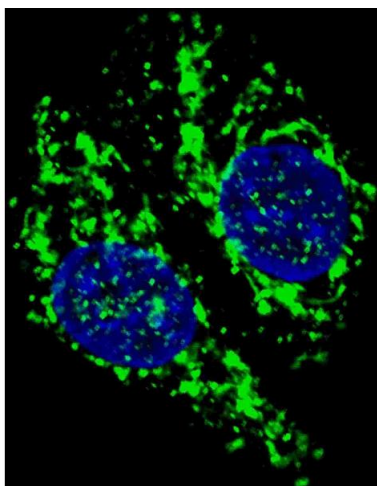
| | |
|-------------------|---|
| Background: | AIFM1 is a flavoprotein essential for nuclear disassembly in apoptotic cells that is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it effects chromosome condensation and fragmentation. In addition, this protein induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. |
| Molecular Weight: | 66901 |
| Gene ID: | 9131 |
| NCBI Accession: | NP_001124318 , NP_001124319 , NP_004199 , NP_665811 , NP_665812 |
| UniProt: | O95831 |
| Pathways: | Apoptosis , Positive Regulation of Endopeptidase Activity , Cell RedoxHomeostasis , Smooth Muscle Cell Migration , Warburg Effect |

Application Details

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|--------------------|--|
| Application Notes: | IF: 1:200. IF: 1:200. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50 |
| Restrictions: | For Research Use only |

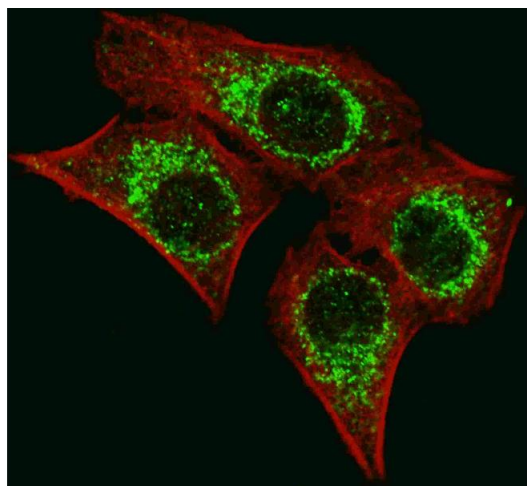
Handling

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|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |



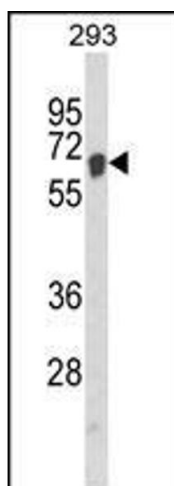
Immunofluorescence

Image 1. Fluorescent confocal image of cells stained with AIFM1 (N-term) antibody. cells were treated with Chloroquine (50 μ M, 16h), then fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.2 %, 30 min). Cells were then incubated with (ABIN652856 and ABIN2842557) AIFM1 (N-term) primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 μ g/mL, 5 min). AIFM1 (N-term) immunoreactivity is localized to the cytoplasm of cells.



Immunofluorescence

Image 2. Fluorescent image of cells stained with AIFM1 (N-term) antibody. cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.2 %, 30 min). Cells were then incubated with (ABIN652856 and ABIN2842557) AIFM1 (N-term) primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (5.25 μ M, 25 min). Pictures were taken on a Bioevo microscope (BZ-900, Keyence). Nuclei were counterstained with Hoechst 33342 (blue) (10 μ g/mL, 5 min). AIFM1 (N-term) immunoreactivity is localized to the cytoplasm of cells.



Western Blotting

Image 3. Western blot analysis of AIFM1 Antibody (N-term) (ABIN652856 and ABIN2842557) in 293 cell line lysates (35 µg/lane). AIFM1 (arrow) was detected using the purified Pab.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN652856.