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**Product Name: AIF Mouse Monoclonal Antibody****Catalog #: AMM85066**

For research use only.

**Summary**

|                      |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| <b>Description</b>   | Mouse monoclonal Antibody                                                                 |
| <b>Host</b>          | Mouse                                                                                     |
| <b>Application</b>   | WB,ICC                                                                                    |
| <b>Reactivity</b>    | Human                                                                                     |
| <b>Conjugation</b>   | Unconjugated                                                                              |
| <b>Modification</b>  | Unmodified                                                                                |
| <b>Isotype</b>       | Mouse IgG2a                                                                               |
| <b>Clonality</b>     | Monoclonal                                                                                |
| <b>Form</b>          | Liquid                                                                                    |
| <b>Concentration</b> | 1mg/ml                                                                                    |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.               |
| <b>Shipping</b>      | Ice bags                                                                                  |
| <b>Buffer</b>        | Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol. |
| <b>Purification</b>  | Affinity Purification                                                                     |

**Application**

|                         |                                            |
|-------------------------|--------------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500-1:1000,ICC 1:50-1:200             |
| <b>Molecular Weight</b> | Calculated MW: 67 kDa; Observed MW: 67 kDa |

**Antigen Information**

|                          |                                                                                                |
|--------------------------|------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | AIF                                                                                            |
| <b>Alternative Names</b> | AIFM1; AIF; PDCD8; Apoptosis-inducing factor 1; mitochondrial; Programmed cell death protein 8 |
| <b>Gene ID</b>           | 9131.0                                                                                         |
| <b>SwissProt ID</b>      | O95831                                                                                         |
| <b>Immunogen</b>         | Purified recombinant human AIF protein fragments expressed in E.coli.                          |

**Background**

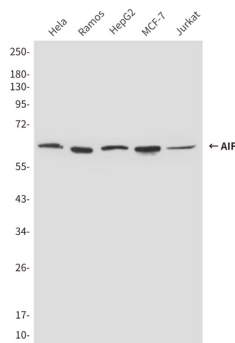
This gene encodes a flavoprotein essential for nuclear disassembly in apoptotic cells, and it is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it

affects chromosome condensation and fragmentation.

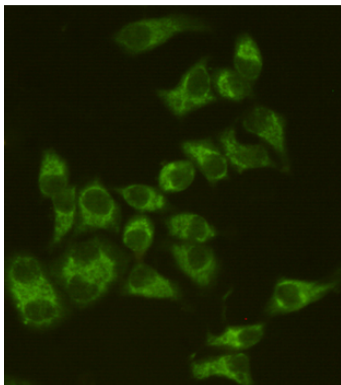
## Research Area

Apoptosis

## Image Data



Western blot analysis of AIF in HeLa, Ramos, HepG2, MCF-7 and Jurkat lysates using AIF antibody.



Immunocytochemistry analysis of AIF in HeLa using AIF antibody.