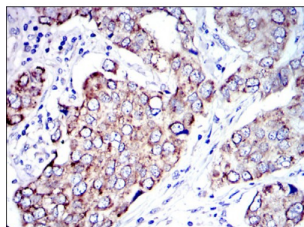
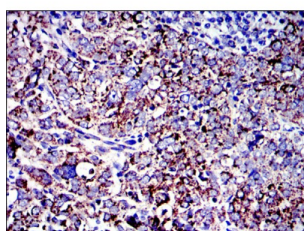


Apoptosis Inducing Factor (AIF) Antibody

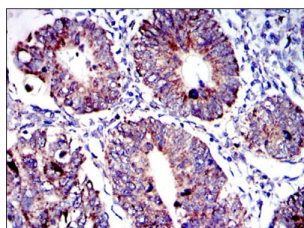
Catalogue No.: abx011979



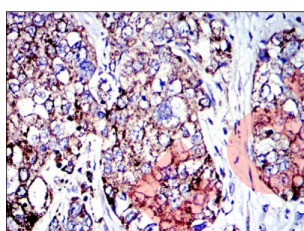
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using AIF antibody with DAB staining.



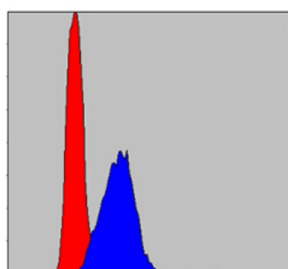
Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using AIF antibody with DAB staining.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using AIF antibody with DAB staining.



Immunofluorescence analysis of NIH/3T3 cells using AIF antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.

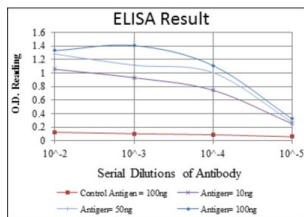


Flow cytometric analysis of HepG2 cells using AIF antibody (blue) and negative control (red).

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Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

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. In addition, this gene product induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. Mutations in this gene cause combined oxidative phosphorylation deficiency 6, which results in a severe mitochondrial encephalomyopathy. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 10.

Target: Apoptosis Inducing Factor (AIF)

Clonality: Monoclonal

Reactivity: Human, Mouse, Monkey, Rat

Tested Applications: ELISA, WB, IHC, IF/ICC, FCM

Host: Mouse

Recommended dilutions: ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Purified recombinant fragment of human AIF expressed in E. coli.

Isotype: IgG_{2b}

Form: Liquid

Purification: Unpurified ascites.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: O95831 ([UniProt](#), [ExPASy](#))

GeneID: [9131](#)

Datasheet

Version: 4.0.0

Revision date: 01 Apr 2025



KEGG: hsa:9131

String: [9606.ENSP00000287295](#)

Molecular Weight: 67 kDa

Buffer: Ascitic fluid containing 0.03% sodium azide.

Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only