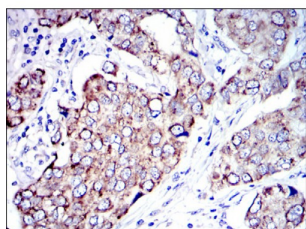


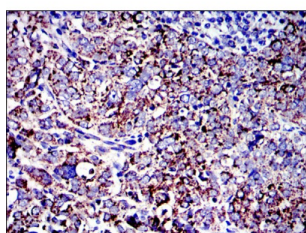
Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: info@abbexa.com

Apoptosis Inducing Factor (AIF) Antibody

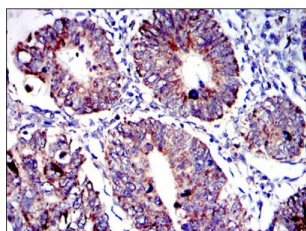
Catalogue No.: abx011979



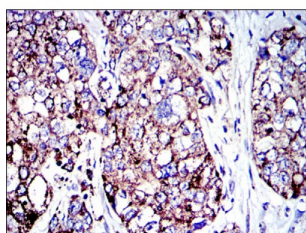
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using AIF antibody with DAB staining.



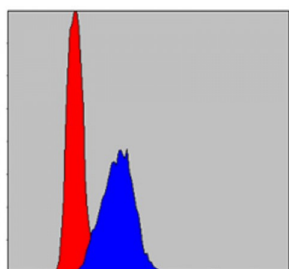
Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using AIF antibody with DAB staining.



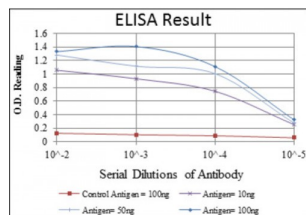
Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using AIF antibody with DAB staining.



Immunofluorescence analysis of NIH/3T3 cells using AIF antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



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



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: AIF

Reactivity: Human, Mouse, Monkey, Rat

Host: Mouse

Clonality: Monoclonal

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

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.

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

Purification: Unpurified Ascites.

Isotype: IgG_{2b}

Conjugation: Unconjugated

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

Molecular Weight: 67 kDa

Swiss Prot: [O95831](#)

GeneID: [9131](#)

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Buffer: Ascitic fluid containing 0.03% sodium azide.

Note: This product is for research use only.