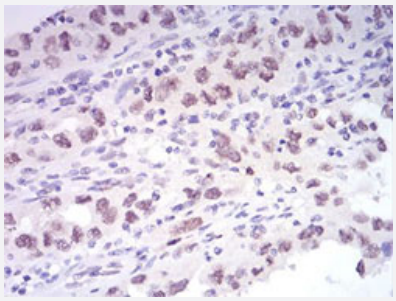
AOF2 monoclonal antibody, clone 3F9D2

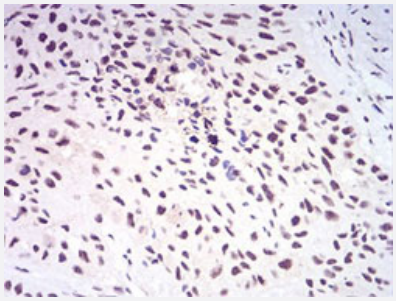
Catalog # MAB17847 Size 100 ug

Applications



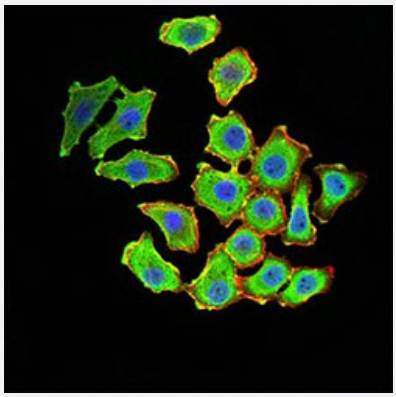
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of endometrial cancer tissues with DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of esophageal cancer tissues with DAB staining.



Immunofluorescence

Immunofluorescent staining of HL-7702 cell line with antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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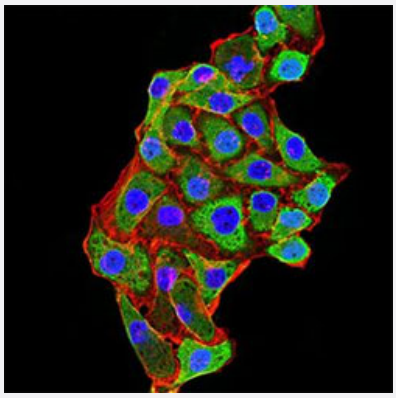
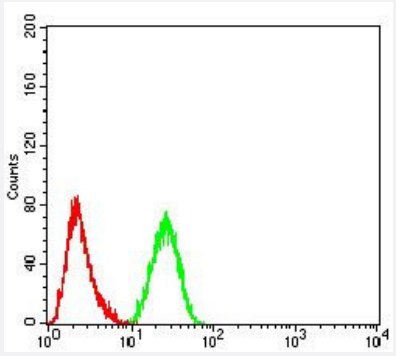


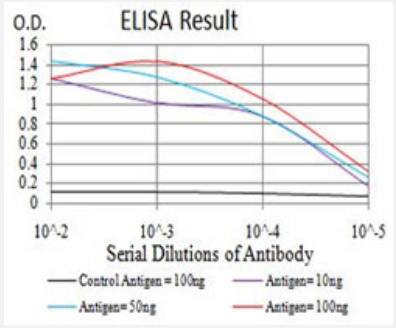
Immunofluorescence

Immunofluorescent staining of MCF-7 cell line with antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



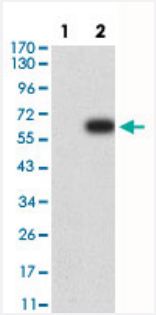
Flow Cytometry

Flow cytometric analysis of HeLa cells using AOF2 mouse monoclonal antibody (green) and negative control (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of AOF2 monoclonal antibody.



Western Blot (Transfected lysate)

Western Blot (Transfected lysate) analysis of (1) HEK293, (2) AOF2-hIgGFc transfected HEK293 cell lysate.

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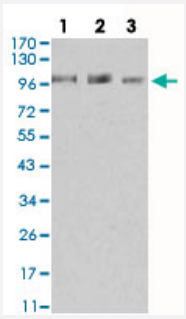

Western Blot

Western Blot analysis of (1) K562, (2) Jurkat, and (3) HeLa cell lysate.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human AOF2.
Immunogen	Recombinant protein corresponding to amino acids 55-263 of human AOF2 from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	93
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-400) Immunofluorescence (1:200-1000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Western Blot (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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  Immunofluorescent staining of MCF-7 cell line with antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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- Western Blot

  Western Blot analysis of (1) K562, (2) Jurkat, and (3) HeLa cell lysate.

Gene Info — AOF2

Entrez GeneID	23028
Gene Name	AOF2
Gene Alias	BHC110, KDM1, KIAA0601, LSD1
Gene Description	amine oxidase (flavin containing) domain 2
Omim ID	609132
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes a nuclear protein containing a SWIRM domain, a FAD-binding motif, and an a mine oxidase domain. This protein is a component of several histone deacetylase complexes, tho ugh it silences genes by functioning as a histone demethylase. Alternative splicing results in multi ple transcript variants. [provided by RefSeq
Other Designations	BRAF35-HDAC complex protein BHC110|FAD-binding protein BRAF35-HDAC complex, 110 k Da subunit|lysine (K)-specific demethylase 1|lysine-specific histone demethylase 1

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