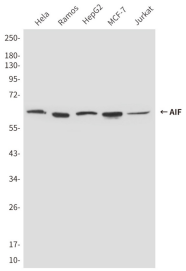
AIF (8H1) Mouse mAb

db6267 **Package：50μL 100μL**

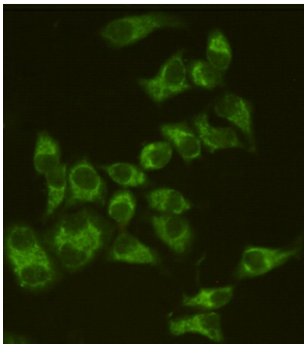
Product Name : AIF (8H1) Mouse mAb
Cat.No.: db6267
Synonyms : AIFM1; AIF; CMT2D; CMTX4; COWCK; NADMR; NAMSD; PDCD8; COXPD6
Application : WB, ICC/IF
Reactivity : Human
Host species : Mouse

Background	Functions both as NADH oxidoreductase and as regulator of apoptosis. In response to apoptotic stimuli, it is released from the mitochondrion intermembrane space into the cytosol and to the nucleus, where it functions as a proapoptotic factor in a caspase-independent pathway. In contrast, functions as an antiapoptotic factor in normal mitochondria via its NADH oxidoreductase activity. The soluble form (AIFsol) found in the nucleus induces 'parthanatos' i.e. caspase-independent fragmentation of chromosomal DNA. Interacts with EIF3G,and thereby inhibits the EIF3 machinery and protein synthesis, and activates casapse-7 to amplify apoptosis. Plays a critical role in caspase-independent, pyknotic cell death in hydrogen peroxide-exposed cells. Binds to DNA in a sequence-independent manner.
Immunogen	Purified recombinant human AIF protein fragments expressed in E.coli
Gene ID	9131
Swiss Prot	O95831
Synonyms	AIFM1; AIF; CMT2D; CMTX4; COWCK; NADMR; NAMSD; PDCD8; COXPD6
Reactivity	Human
Application	WB, ICC/IF
Recommended dilution	WB: 1:500-1:1000 ICC/IF: 1:50-1:200
Calculated MW	67 kDa
Observed MW	67 kDa
Host species	Mouse
Clonality	Monoclonal
Clonality No.	8H1-B10-A12

Isotype	IgG2a
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Western blot analysis of AIF (8H1) in Hela, Ramos, HepG2, MCF-7 and Jurkat lysates using AIF antibody.



Immunocytochemistry analysis of AIF (8H1) in HeLa using AIF antibody.