# 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

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|---|---|
| **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<br>ICC/IF: 1:50-1:200 |
| **Calculated MW** | 67 kDa |
| **Observed MW** | 67 kDa |
| **Host species** | Mouse |
| **Clonality** | Monoclonal |
| **Clonality No.** | 8H1-B10-A12 |

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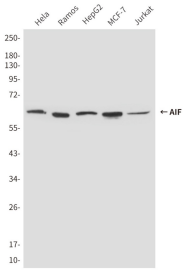
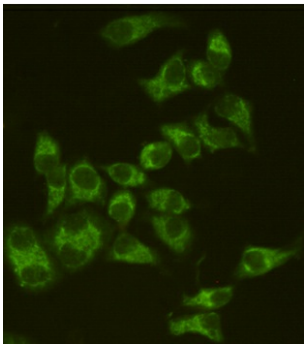
|---|---|
| **Isotype** | IgG2a |
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Storage Stability** | Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt. |




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.