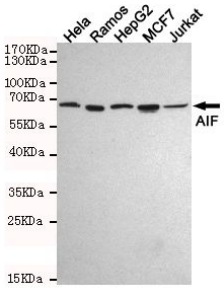
# AIF

## Mouse monoclonal Antibody

#53708

**Catalog Number:** 53708
**Amount:** 100μg/100μl
**Swiss-Prot No. :**O95831
**Gene name:**aifm1
**Gene id:**9131
**Clone Number：** 8H1-B10-A12
**Form of Antibody:**Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
**Storage/Stability:** Store at -20℃/1 year
**Immunogen:** Purified recombinant human AIF protein fragments expressed in E.coli
**Purification:** affinity-chromatography
**Specificity/Sensitivity:**This antibody detects endogenous levels of AIF and does not corss-react with related proteins
**Reactivity:** Human
**Applications:** Predicted MW: 67kd WB: 1:1000 ICC/IF:1:200




Western blot analysis of extracts from Hela,Ramos,HepG2,MCF7 and Jurkat cell lysates using AIF mouse mAb(1:1000 diluted).Predicted band size:67KDa.Observed band size:67KDa.

**Background:**.
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 chromosome10.