

AIF-M1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00307
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human AIFM1. AA range:51-100
Mol wt	66901
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	AIF-M1 Antibody
Synonyms	AIFM1; AIF; PDCD8; Apoptosis-inducing factor 1; mitochondrial; Programmed cell death protein 8

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

AIFM1 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 (apoptosis inducing factor, mitochondria associated 1) induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. Mutations in this gene cause combined oxidative phosphorylation deficiency 6 (COXPD6), a severe mitochondrial encephalomyopathy, as well as Cowchock syndrome, also known as X-linked recessive Charcot-Marie-Tooth disease-4 (CMTX-4), a disorder resulting in neuropathy, and axonal and motor-sensory defects with deafness and mental retardation. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 10.

Recommended Dilution

WB: 1: 500 - 1: 2000

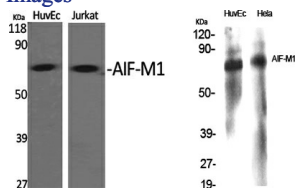
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

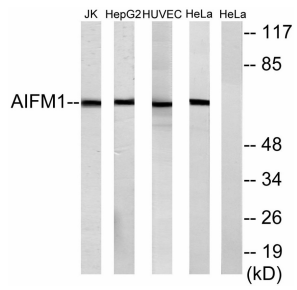
ELISA: 1: 5000

Not yet tested in other applications.

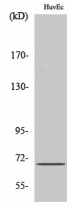
Images



Western Blot analysis of various cells using AIF-M1 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from HUVEC cells, HepG2 cells, HeLa cells, and Jurkat cells, using AIFM1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of Jurkat cells using AIF-M1 Polyclonal Antibody diluted at 1:1000

Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com