

## AIFL Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP00306
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human AIFM3. AA range:10-59
<b>Mol wt</b>	66791
<b>Species reactivity</b>	Human, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	AIFL Antibody
<b>Synonyms</b>	AIFM3; AIFL; Apoptosis-inducing factor 3; Apoptosis-inducing factor-like protein

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

### Background

AIFL (apoptosis-inducing factor-like), also known as AIFM3 (apoptosis-inducing factor, mitochondrion-associated, 3), is a 605 amino acid protein that localizes to the mitochondrion and contains one rieske domain. Expressed ubiquitously in tissues including liver, thymus, ovary, bone marrow and cerebral cortex, AIFL functions to induce apoptosis, specifically through a caspase-dependent pathway, and may also play a role in the modulation of mitochondrial membrane potential. Multiple isoforms of AIFL exist due to alternative splicing events. The gene encoding AIFL maps to human chromosome 22, which houses over 500 genes and is the second smallest human chromosome. Mutations in several of the genes that map to chromosome 22 are involved in the development of Phelan-McDermid syndrome, Neurofibromatosis type 2, autism and schizophrenia.

### Recommended Dilution

WB: 1: 500 - 1: 2000

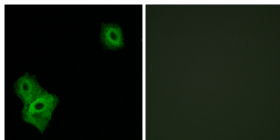
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

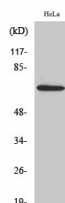
ELISA: 1: 40000

Not yet tested in other applications.

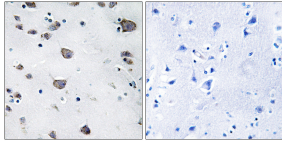
### Images



Immunofluorescence analysis of A549 cells, using AIFM3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using AIFL Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using AIFM3 Antibody. The picture on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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