

AIFM3 Antibody

AIFM3 (IN): Apoptosis-inducing factor mitochondrion-associated 3, AIFL

CATALOG NO.: 4541

BACKGROUND:

Apoptosis, also known as programmed cell death, plays major roles in development and normal tissue turnover in addition to tumor formation (1 for review). Recently a protein similar to the apoptosis-inducing factor (AIF) was cloned and designated AIFL (also known as AIFM3) (2). AIFM3 is expressed ubiquitously and is predominantly localized to the inner membranes of mitochondria. Unlike AIF, AIFM3 does not translocate to the nucleus upon induction of apoptosis. However, overexpression of AIFM3, like AIF, induced cytochrome c release from the mitochondria, cleavage of caspase 3, and ultimately apoptosis, indicating AIFM3 induces apoptosis through caspase activation. Multiple isoforms of AIFM3 are known to exist.

SOURCE:

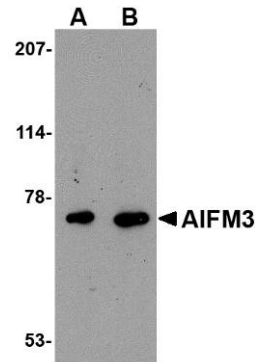
Rabbit polyclonal AIFM3 antibody was raised against a 16 amino acid peptide from near the center of human AIFM3 (Genbank accession No. Q96NN9).

APPLICATION:

AIFM3 antibody can be used for the detection of AIFM3 by Western blot at 1 – 2 µg/ml. (Optimal dilution should be determined by user). Human brain tissue lysate can be used as positive control. AIFM3 antibody is human, mouse and rat reactive. **This product is for research use only.**

STORAGE:

AIFM3 antibody is supplied as immunoaffinity purified IgG in PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.



Western blot analysis of AIFM3 in human brain tissue lysate with AIFM3 antibody at (A) 1 and (B) 2 µg/ml.

RELATED PRODUCTS:

Blocking peptide, Catalog No. **4541P**.
Human Brain Tissue Lysate, Catalog No. **1303**.
AIFM3 Antibody (NT), Catalog No. **4539**.
AIF Antibody (NT), Catalog No. **2239**.
AIF Antibody (IN), Catalog No. **2267**.
AIF Antibody (CT), Catalog No. **2301**.

REFERENCES:

1. Jin Z and El Deiry WS. Overview of cell death signaling pathways. *Cancer Biol. Ther.* 2004; 4:139-63
2. Xie Q, Lin T, Zhang Y, et al. Molecular cloning and characterization of a human AIF-like gene with the ability to induce apoptosis. *J. Biol. Chem.* 2005; 280:19673-81. (08-01D)