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Anti-Apoptosis-inducing factor 3 AIFM3 Antibody

Catalog Number: A11286

About AIFM3

Apoptosis, also known as programmed cell death, plays major roles in development and normal tissue turnover in addition to tumor formation. Recently a protein similar to the apoptosis-inducing factor (AIF) was cloned and designated AIFL (also known as AIFM3). 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.

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Overview

Product Name	Anti-Apoptosis-inducing factor 3 AIFM3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Apoptosis-inducing factor 3 AIFM3 Antibody (Catalog # A11286). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	AIFM3 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	AIFM3 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96NN9

Technical Details

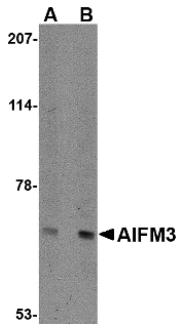
Immunogen	AIFM3 antibody was raised against a 16 amino acid synthetic peptide from near the amino terminus of human AIFM3. The immunogen is located within the first 50 amino acids of AIFM3.
Predicted Reactive Species	Bovine, Mouse, Rat
Isotype	IgG

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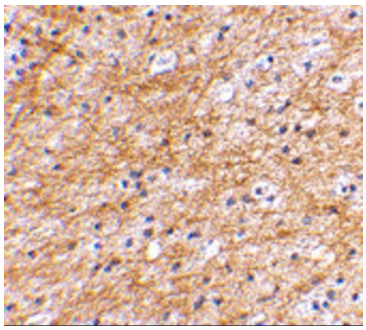
Form	Liquid
Concentration	1 mg/mL
Purification	AIFM3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	AIFM3 antibody can be used for the detection of AIFM3 by Western blot at 0.5 and 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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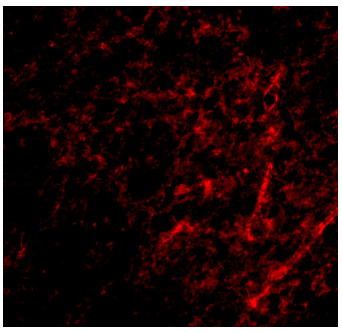
Anti-Apoptosis-inducing factor 3 AIFM3 Antibody (A11286) Images



Western blot analysis of NIPSNAP in human brain tissue lysate with NIPSNAP antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemical staining of human brain tissue using AIFM3 antibody at 2.5 ug/mL.



Immunofluorescence of AIFM3 in human brain tissue with AIFM3 antibody at 20 ug/mL.

Anti-Apoptosis-inducing factor 3 AIFM3 Antibody

For Research Use Only. Not for use in diagnostic procedures.