Datasheet for ABIN499241

anti-AIFM3 antibody (N-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	AIFM3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIFM3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	AIFM3 antibody was raised against a 16 amino acid peptide from near the amino terminus of human AIFM3.
Isotype:	IgG
Specificity:	This antibody reacts to AIFM3.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	AIFM3
Abstract:	AIFM3 Products

Target Details

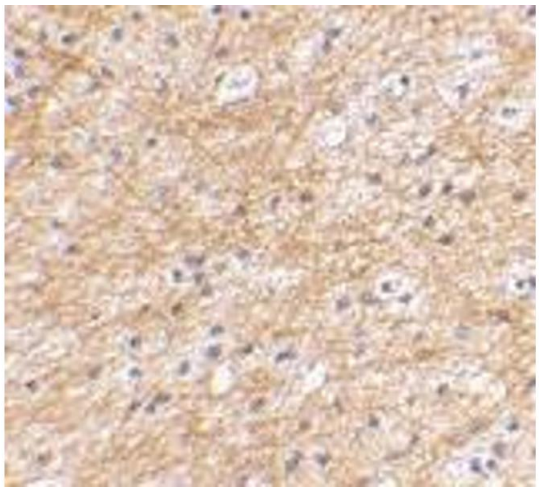
Background:	Apoptosis, also known as programmed cell death, plays major roles in development and normal tissue turnover in addition to tumor formation. Recently a protein similar to the apoptosis-inducing factor (AIF) was cloned and designated AIFL (also known as AIFM3). AIFM3 is expressed ubiquitously 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.Synonyms: AIFL, Apoptosis-inducing factor 3
Gene ID:	150209
UniProt:	Q96NN9
Pathways:	Positive Regulation of Endopeptidase Activity, Cell RedoxHomeostasis

Application Details

Application Notes:	ELISA. Western Blot: AIFM3 antibody can be used for the detection of AIFM3 at 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

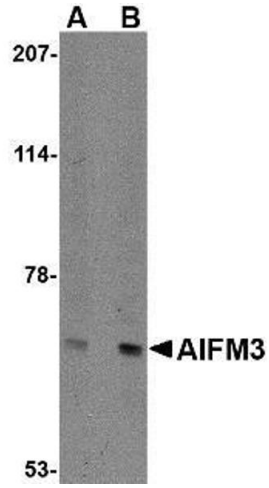
Handling

Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of human brain tissue using AP30032PU-N AIFM3 antibody at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of NIPSNAP in human brain tissue lysate with AP30032PU-N NIPSNAP antibody at (A) 0.5 and (B) 1 µg/ml.