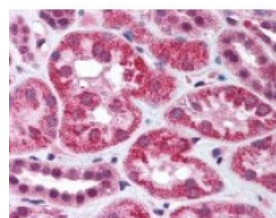




AIFM1 Antibody

CATALOG NUMBER: 49-526



Immunohistochemistry staining of AIFM1
in kidney tissue using AIFM1 Antibody.

Specifications

SPECIES REACTIVITY:	Bat, Bovine, Dog, Gibbon, Gorilla, Hamster, Horse, Human, Monkey, Mouse, Pig, Rabbit, Rat
TESTED APPLICATIONS:	IHC, WB
APPLICATIONS:	AlmunofluorescenceM1 antibody can be used in ELISA, Western Blot, and immunohistochemistry starting at 5 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
IMMUNOGEN:	AIFM1 antibody was raised against amino acids 593-606 of AIFM1 (Human).
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Purified
PHYSICAL STATE:	Liquid
BUFFER:	PBS, 0.02% sodium azide.
STORAGE CONDITIONS:	Store AIFM1 antibody at 4 °C or -20 °C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	AIFM1, AIF, COXPD6, PDCD8, Programmed cell death 8
ACCESSION NO.:	O95831
PROTEIN GI NO.:	13431764
OFFICIAL SYMBOL:	AIFM1
GENE ID:	9131

Background

BACKGROUND:	Apoptosis is characterized by several morphological nuclear changes including chromatin condensation and nuclear fragmentation. These changes are triggered by the activation of members of caspase family, caspase activated DNase, and several novel proteins. A novel gene, the product of which causes chromatin condensation
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and DNA fragmentation, was recently identified, cloned, and designated apoptosis inducing factor (AIF). Like the critical molecules, cytochrome c and caspase-9, in apoptosis, AIF localizes in mitochondria. AIF translocates to the nucleus when apoptosis is induced and induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. AIF induces chromatin condensation and large scale DNA fragmentation, which are the hallmarks of apoptosis, of the isolated nucleus and the nucleus in live cells by microinjection and apoptosis stimuli. AIF is highly conserved between human and mouse and widely expressed.

FOR RESEARCH USE ONLY

December 13, 2016