Datasheet for ABIN2792100

anti-AIF antibody (N-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	AIF (AIFM1)
Binding Specificity:	N-Term
Reactivity:	Human, Cow, Dog, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PDCD8
Sequence:	GAYAYKTMKE DEKRYNERIS GLGLTPEQKQ KKAALSASEG EEVPQDKAPS
Predicted Reactivity:	Cow: 86%, Dog: 85%, Human: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against PDCD8. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	AIF (AIFM1)
Alternative Name:	PDCD8 (AIFM1 Products)

Target Details

Background:	AIFM1 (PDCD8) is a flavoprotein essential for nuclear disassembly in apoptotic cells that is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it effects chromosome condensation and fragmentation. In addition, AIFM1 induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9.This gene encodes a flavoprotein essential for nuclear disassembly in apoptotic cells that is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it effects chromosome condensation and fragmentation. In addition, this gene product induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. Three alternative transcripts encoding different isoforms have been identified for this gene.This gene encodes a flavoprotein essential for nuclear disassembly in apoptotic cells that is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it effects chromosome condensation and fragmentation. In addition, this gene product induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. Three alternative transcripts encoding different isoforms have been identified for this gene. Alias Symbols: RP3-438D16.2, AIF, MGC111425, PDCD8, COXPD6 Protein Interaction Partner: ISG15, STAU1, BAG6, UBC, NEDD8, MDM2, ASB12, RNF2, BMI1, SUZ12, PARK2, BAG3, ADRB2, HDAC11, OXSR1, ILK, PAN2, NOS2, MLH1, CFTR, ESR1, TST, FSCN1, CPOX, SHC1, FBXO6, TSC22D4, CAND1, COPS5, CUL1, CUL2, CUL3, CUL5, TONSL, BLNK, PIDD1, XIAP, AMFR, Tubb4b, Tub Protein Size: 609
Molecular Weight:	66 kDa
Gene ID:	9131
NCBI Accession:	NM_145812, NP_665811
Pathways:	Apoptosis, Positive Regulation of Endopeptidase Activity, Cell RedoxHomeostasis, Smooth Muscle Cell Migration, Warburg Effect

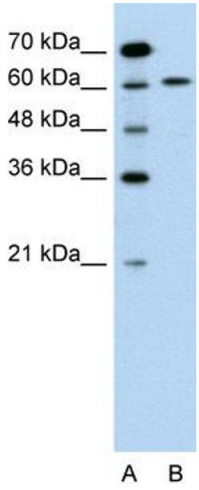
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 609 AA
Restrictions:	For Research Use only

Handling

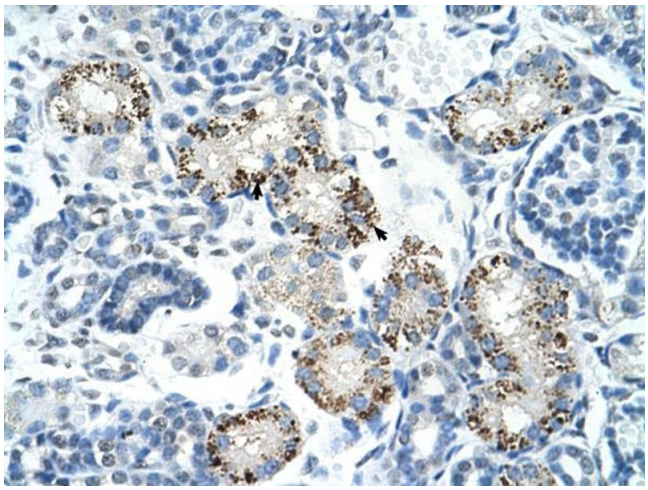
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PDCD8 Antibody Titration: 0.2-1 ug/ml Positive Control: Jurkat cell lysate AIFM1 is supported by BioGPS gene expression data to be expressed in Jurkat



Immunohistochemistry

Image 2. Human kidney