

Product datasheet for **TA330318**

AIF (AIFM1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PDCD8 antibody: synthetic peptide directed towards the N terminal of human PDCD8. Synthetic peptide located within the following region: GAYAYKTMKEDEKRYNERISGLGLTPEQKQKKAALSASEGEEVPQDKAPS
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	66 kDa
Gene Name:	apoptosis inducing factor, mitochondria associated 1
Database Link:	NP_665811 Entrez Gene 9131 Human O95831



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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.

Synonyms:

AIF; CMT2D; CMTX4; COWCK; COXPD6; NADMR; NAMSD; PDCD8

Note:

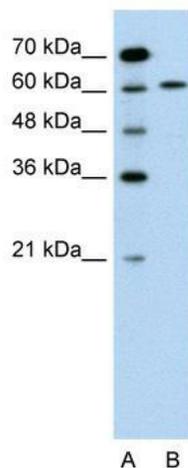
Immunogen sequence homology: Sheep:100%; Human:100%; Bovine:86%; Dog:85%; Cat:85%; *Sartorya fumigata*:83%

Protein Families:

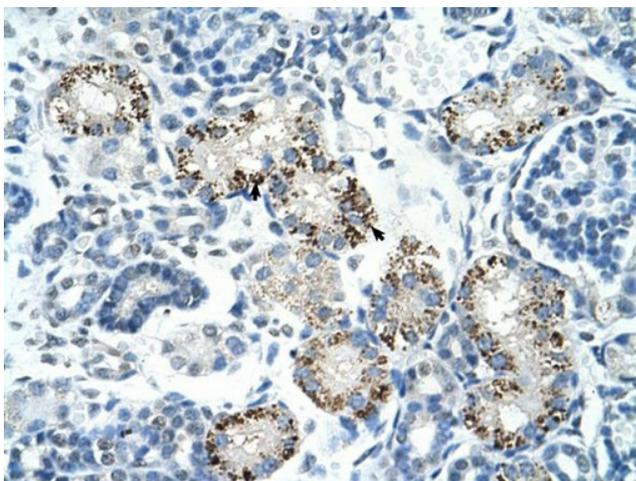
Druggable Genome, Transmembrane

Protein Pathways:

Apoptosis

Product images:

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



Human kidney