

Datasheet for ABIN2462044
anti-AIF antibody



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	AIF (AIFM1)
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human PDCD8.
Purification:	Antibody is purified by peptide affinity chromatography method.

Target Details

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

Target Details

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.

Molecular Weight: 36 kDa, 67 kDa, 66 kDa

Gene ID: 9131

NCBI Accession: [NP_665812](#)

Pathways: [Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#), [Cell RedoxHomeostasis](#), [Smooth Muscle Cell Migration](#), [Warburg Effect](#)

Application Details

Application Notes: PDCD8 antibody can be used for detection of PDCD8 by ELISA at 1:62500. PDCD8 antibody can be used for detection of PDCD8 by western blot at 0.25 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL.

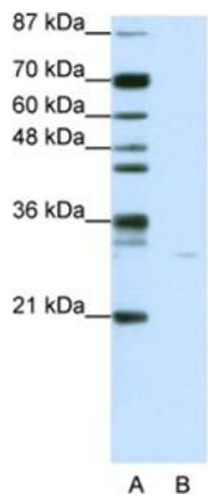
Concentration: 1 mg/mL

Buffer: Antibody is lyophilized in PBS buffer with 2 % sucrose.

Handling Advice: As with any antibody avoid repeat freeze-thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: For short periods of storage (days) store at 4 °C. For longer periods of storage, store PDCD8 antibody at -20 °C.



Western Blotting

Image 1.