



# Anti-AIFM1 (aa 517-531) polyclonal antibody (CPBT-66392RA)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Rabbit anti Human AIF antibody recognizes human Apoptosis-inducing factor 1, mitochondrial, also known as Programmed cell death protein 8 or apoptosis inducing factor (AIF). AIF is a 613 amino acid member of the FAD-dependent oxidoreductase family. Rabbit anti Human AIF antibody reacts with an internal region of AIF (within the region aa 517-531. AIF is widely expressed in human tissues and localizes in the mitochondria. AIF translocates to the nucleus upon induction of apoptosis. Multiple isoforms of AIF are generated by alternative splicing. Rabbit anti Human AIF antibody recognizes isoforms 1, 2,3 and 5. It is not expected to recognize either isoforms 4 or 6 as they lack the immunogen sequence. Mutations in the AIFM1 can result in various disease conditions including COXPD6 and Cowchock syndrome.

<b>Specificity</b>	AIF
<b>Immunogen</b>	Peptide corresponding to amino acids 517 - 531 of human AIF.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P; WB
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	100 µg
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may

denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

Gene Name	<a href="#">AIFM1 apoptosis-inducing factor, mitochondrion-associated, 1 [ Homo sapiens (human) ]</a>
Official Symbol	AIFM1
Synonyms	AIFM1; apoptosis-inducing factor, mitochondrion-associated, 1; AIF; CMT2D; CMTX4; COWCK; NADMR; NAMSD; PDCD8; COXPD6; apoptosis-inducing factor 1, mitochondrial; striatal apoptosis-inducing factor; programmed cell death 8 (apoptosis-inducing factor); Neur
Entrez Gene ID	<a href="#">9131</a>
Protein Refseq	<a href="#">NP_001124318</a>
UniProt ID	O95831
Chromosome Location	Xq26.1
Pathway	Apoptosis; Apoptosis Modulation by HSP70; Ceramide signaling pathway;
Function	DNA binding; FAD binding; NAD(P)H oxidase activity; electron carrier activity; oxidoreductase activity, acting on NAD(P)H; protein binding; protein dimerization activity;