

Product datasheet for **AP22915PU-N**

AIF (AIFM1) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	ELISA. Immunocytochemistry. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 0.25 - 1 µg/ml.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Akirin1 antibody was raised against a 14 amino acid peptide near the center of the human Akirin1.
Specificity:	This antibody reacts to Apoptosis-inducing Factor (AIFM1, PDCD8).
Formulation:	PBS containing 0.02% sodium azide. State: Purified State: Liquid purified Ig fraction
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C to -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	apoptosis inducing factor, mitochondria associated 1
Database Link:	Entrez Gene 9131 Human O95831



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Background:

Caspase 9 is a cysteine C14 endopeptidase that mediates oncogene and drug-induced apoptosis. It is activated upon binding to Apaf-1/cytochrome c and inhibited upon phosphorylation by the serine/ threonine kinase Akt. Activated caspase-9 cleaves downstream caspases such as Caspase-3, -6 and -7 initiating the caspase cascade. Like other caspases, Caspase-9 plays a critical role in mediating apoptosis during normal brain development. Caspase-9 also cleaves amyloid beta-protein precursors, principal constituent of senile plaques, and is involved in neuronal death observed in Alzheimer disease.

Synonyms:

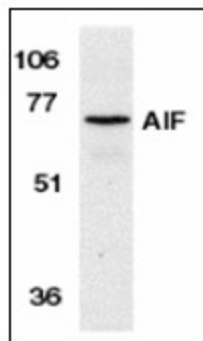
PDCD8

Protein Families:

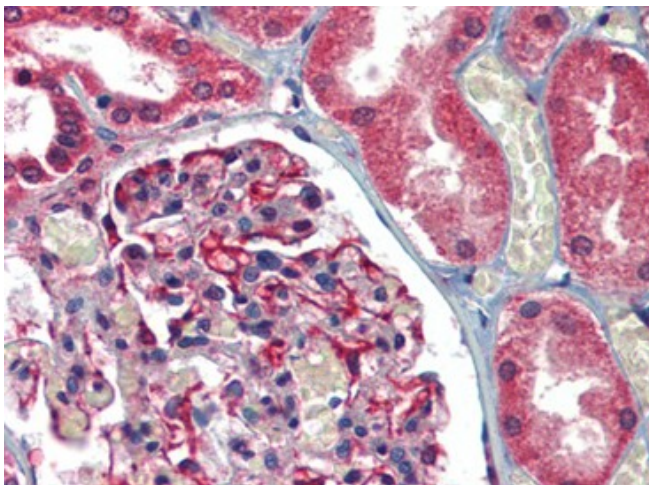
Druggable Genome, Transmembrane

Protein Pathways:

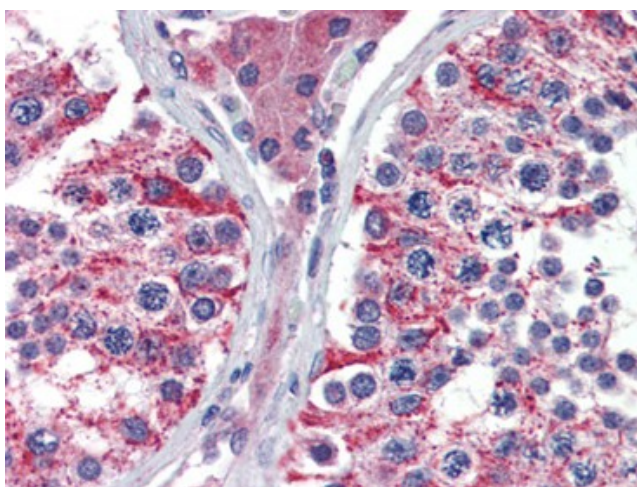
Apoptosis

Product images:

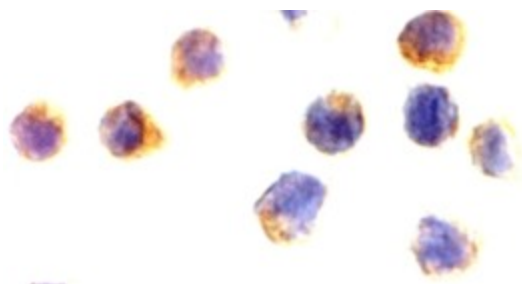
Western blot analysis of AIF in K562 cell lysate with AIF antibody (AP22915PU-N) at 1 ug/ml.



Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Testis: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunocytochemistry of AIF in Jurkat cells with AIF antibody (AP22915PU-N) at 2 ug/ml.