

Rabbit AIF Polyclonal Antibody | anti-AIF antibody

AIF Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305467	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Western Blot, ELISA

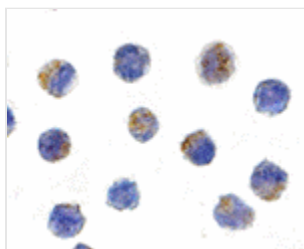
PRODUCT SYNONYMS

AIF; Polyclonal Antibody; AIF Antibody; anti-AIF antibody

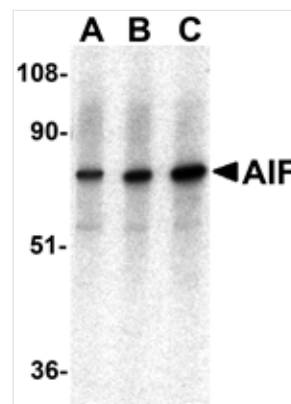
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	720
Applicable Applications for anti-AIF antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids 593 to 606 of human AIF. This sequence is identical to those of mouse and rat AIF.
Target Name	AIF
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


ICC (Immunocytochemistry)

Immunocytochemistry of AIF in K562 cells with AIF antibody at 5 ug/mL.


WB (Western Blot)

Western blot analysis of AIF in K562 with AIF antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-AIF antibody	Apoptosis is characterized by several morphological nuclear changes including chromatin condensation and nuclear fragmentation. These changes are triggered by the activation of members of caspase family, caspase activated DNase, and several novel proteins. A novel gene, the product of which causes chromatin condensation and DNA fragmentation, was recently identified, cloned, and designated apoptosis inducing factor (AIF). Like the critical molecules, cytochrome c and caspase-9, in apoptosis, AIF localizes in mitochondria. AIF translocates to the nucleus when apoptosis is induced and induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. AIF induces chromatin condensation and DNA fragmentation, which are the hallmarks of apoptosis, of the isolated nucleus and the nucleus in live cells by microinjection. AIF is highly conserved between human and mouse and widely expressed.
Product Categories/Family for anti-AIF antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	663071014
NCBI GeneID	10256
NCBI Accession #	NP_001284576.1
NCBI GenBank Nucleotide #	NM_001297647.1
UniProt Accession #	O95381; B1AMW9; Q969H4
Molecular Weight	78,790 Da
NCBI Official Full Name	connector enhancer of kinase suppressor of ras 1 isoform 2
NCBI Official Synonym Full Names	connector enhancer of kinase suppressor of Ras 1
NCBI Official Symbol	CNKS1
NCBI Official Synonym Symbols	CNK; CNK1
NCBI Protein Information	connector enhancer of kinase suppressor of ras 1
UniProt Protein Name	Connector enhancer of kinase suppressor of ras 1
UniProt Gene Name	CNKS1
UniProt Synonym Gene Names	CNK1; Connector enhancer of KSR 1; CNK1; hCNK1
UniProt Entry Name	CNKS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/aif-antibody-immunocytochemistry-western-blot-elisa/305467>