

Rabbit AATF Polyclonal Antibody | anti-AATF antibody

AATF Antibody

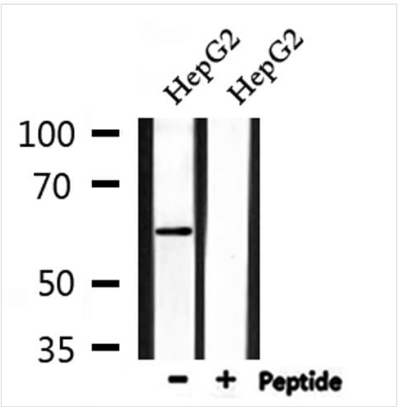
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324147	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

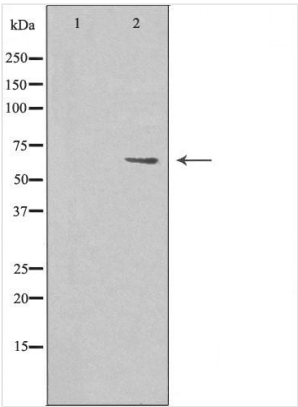
AATF; Polyclonal Antibody; AATF Antibody; AATF_HUMAN; Apoptosis antagonizing transcription factor; Apoptosis-antagonizing transcription factor; BFR2; CHE 1; CHE1; DED; Protein AATF; Rb binding protein Che 1; Rb-binding protein Che-1; anti-AATF antibody

PRODUCT SPECIFICATIONS

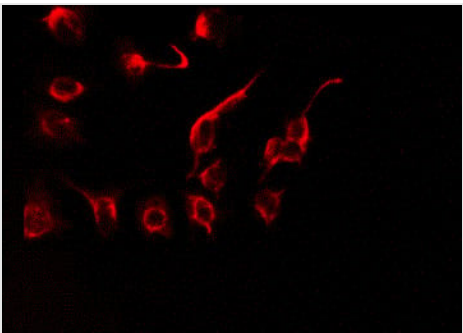
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AATF antibody detects endogenous levels of total AATF
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	560
Applicable Applications for anti-AATF antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus > Nucleolus.
Tissue Specificity	Ubiquitously expressed. Expressed at high levels in brain, heart, kidney, placenta and thymus.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog
Similarity	Pig (91%), Bovine (91%), Horse (91%), Rabbit (91%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from HepG2, using AATF Antibody.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells using AATF antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA324147 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-AATF antibody

Function: May function as a general inhibitor of the histone deacetylase HDAC1. Binding to the pocket region of RB1 may displace HDAC1 from RB1/E2F complexes, leading to activation of E2F target genes and cell cycle progression. Conversely, displacement of HDAC1 from SP1 bound to the CDKN1A promoter leads to increased expression of this CDK inhibitor and blocks cell cycle progression. Also antagonizes PAWR mediated induction of aberrant amyloid peptide production in Alzheimer disease (presenile and senile dementia), although the molecular basis for this phenomenon has not been described to date.

Subunit Structure: Binds PAWR, POLR2J, RB1/RB, RBL1/P107, RBL2/P130, and SP1. May also bind MAPT.

Post-translational Modifications: Hyperphosphorylated during the G1/S phase transition.

Similarity: Belongs to the AATF family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657013
NCBI GeneID	26574
NCBI Accession #	NP_036270.1
NCBI GenBank Nucleotide #	NM_012138.3
UniProt Accession #	Q9NY61; Q9P0A4; Q9UNX5; A6NCJ6; B3KQ26
Molecular Weight	Observed: 63 kD Predicted: 64 kDa

NCBI Official Full Name	protein AATF
NCBI Official Synonym Full Names	apoptosis antagonizing transcription factor
NCBI Official Symbol	AATF
NCBI Official Synonym Symbols	DED; BFR2; CHE1; CHE-1
NCBI Protein Information	protein AATF
UniProt Protein Name	Protein AATF
UniProt Gene Name	AATF
UniProt Synonym Gene Names	CHE1; DED

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/aatf-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324147>