



Rabbit Anti-AATF antibody

SL1229R

Product Name:	AATF
Chinese Name:	拮抗凋亡转录因子抗体
Alias:	Apoptosis antagonizing transcription factor; CHE1; DED; AATF; AATF_HUMAN; Apoptosis-antagonizing transcription factor; Rb-binding protein Che-1; Protein AATF;Rb binding protein Che 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Guinea Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	63kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human AATF:451-560/560
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene was identified on the basis of its interaction with MAP3K12/DLK, a protein kinase known to be involved in the induction of cell apoptosis. This gene product contains a leucine zipper, which is a characteristic motif of transcription factors, and was shown to exhibit strong transactivation activity when fused to Gal4 DNA binding domain. Overexpression of this gene interfered with MAP3K12

induced apoptosis.

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:

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

Subcellular Location:

Nucleus, nucleolus.

Tissue Specificity:

Ubiquitously expressed. Expressed at high levels in brain, heart, kidney, placenta and thymus.

Post-translational modifications:

Hyperphosphorylated during the G1/S phase transition.

Similarity:

Belongs to the AATF family.

SWISS:

Q9NY61

Gene ID:

26574

Database links:

[Entrez Gene: 26574](#)Human

[Entrez Gene: 56321](#)Mouse

[Omim: 608463](#)Human

[SwissProt: Q9NY61](#)Human

[SwissProt: Q3URN5](#)Mouse

[SwissProt: Q9JKX4](#)Mouse

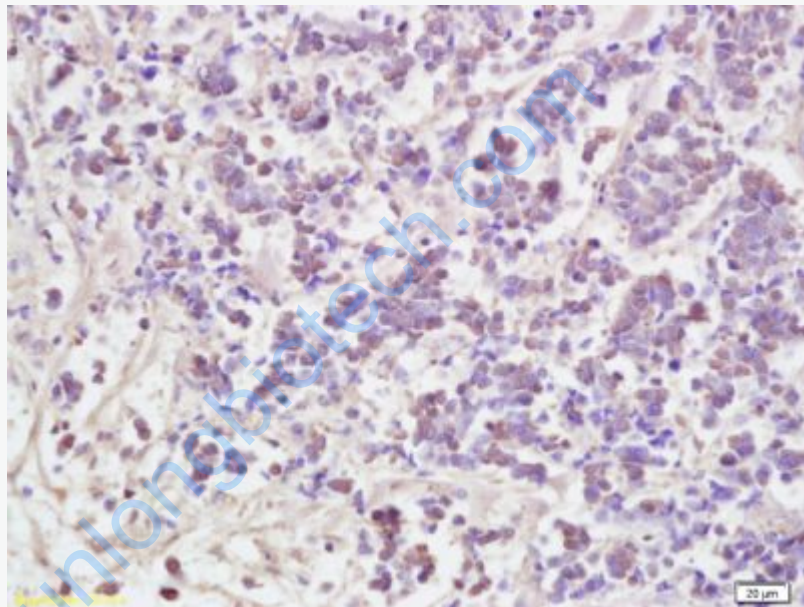
[Unigene: 195740](#)Human

[Unigene: 257482](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

AATF属于Apoptosis的拮抗转录因子,有抑制Apoptosis的发展过程。



Picture:

Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-AATF Polyclonal Antibody, Unconjugated(SL1229R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining