

Anti-AATF Antibody (clone 3C7)

Mouse Anti Human Monoclonal Antibody Catalog # ALS17982

Specification

Anti-AATF Antibody (clone 3C7) - Product Information

Application WB, IHC-P, IF, E

Primary Accession
Predicted
Human
Host
Clonality
Isotype
Calculated MW

Q9NY61
Human
Mouse
Monoclonal
IgG1,k
63133

Anti-AATF Antibody (clone 3C7) - Additional Information

Gene ID 26574

Alias Symbol AATF

Other Names

AATF, CHE1, DED, Rb-binding protein Che-1, CHE-1, Protein AATF

Target/Specificity

Human AATF

Reconstitution & Storage

Protein A purified

Precautions

Anti-AATF Antibody (clone 3C7) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-AATF Antibody (clone 3C7) - Protein Information

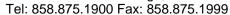
Name AATF (HGNC:19235)

Synonyms CHE1, DED

Function

Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre- rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre- ribosomal RNA by the RNA exosome (PubMed:34516797). 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.

Cellular Location Nucleus, nucleolus

Tissue Location

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

Anti-AATF Antibody (clone 3C7) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-AATF Antibody (clone 3C7) - Images