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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	Q9NY61
Predicted	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1,k**
Calculated MW	**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
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-AATF Antibody (clone 3C7) - Images