Recombinant human Protein AATF

Catalog No: #AP71881

Package Size: #AP71881-1 20ug #AP71881-2 100ug #AP71881-3 1mg

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human Protein AATF
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:6-294aaSequence Info:Partial
Other Names	Apoptosis-antagonizing transcription factorRb-binding protein Che-1
Accession No.	Q9NY61
Uniprot	Q9NY61
GeneID	26574;
Calculated MW	58.8 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	PLALQLEQLLNPRPSEADPEADPEEATAARVIDRFDEGEDGEGDFLVVGSIRKLASASLLDTDKRYCGKTTSR KAWNEDHWEQTLPGSSDEEISDEEGSGDEDSEGLGLEEYDEDDLGAAEEQECGDHRESKKSRSHSAKTPG FSVQSISDFEKFTKGMDDLGSSEEEEDEESGMEEGDDAEDSQGESEEDRAGDRNSEDDGVVMTFSSVKVSE EVEKGRAVKNQIALWDQLLEGRIKLQKALLTTNQLPQPDVFPLFKDKGGPEFSSALKNSHKALKALLRSLVGLQ E
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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, displacent 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 dentia), although the molecular basis for this phenomenon has not been described to date.

References

Identification of novel transcription factor-like gene from human intestinal cells.Lindfors K., Halttunen T., Huotari P., Nupponen N., Vihinen M., Visakorpi T., Maki M., Kainulainen H.Biochem. Biophys. Res. Commun. 276:660-666(2000)Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only