

AATF (N16) polyclonal antibody

Catalog: BCP00126

Host: Rabbit

Reactivity: Human,Mouse,Rat

BackGround:

Che-1 (protein AATF, apoptosis-antagonizing transcription factor) is a widely expressed nuclear protein that belongs to the AATF family. Hyperphosphorylated during the G1/S phase transition, Che-1 may function as a general inhibitor of the histone deacetylase HDAC1. Che-1 binding to the pocket region of Rb may displace HDAC1 from Rb/E2F complexes, leading to activation of E2F target genes and cell cycle progression. Displacement of HDAC1 from Sp1 bound to the p21 promoter leads to increased expression of Che-1. It also antagonizes PAR4 (prostate apoptosis response 4) mediated induction of aberrant amyloid peptide production in Alzheimer disease (AD; presenile and senile dementia). PAR4 is a leucine zipper protein that is pro-apoptotic and associated with neuronal degeneration in AD. Che-1 interaction with PAR4 suggests that it might directly or indirectly participate in regulation of PAR4 activity. Che-1 also co-localizes with PAR4 in both cytoplasmic and nuclear compartments, and it interacts directly and selectively with PAR4 via the leucine zipper domain in neural cells.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 63 kDa

Swiss-Prot:

Q9NY61

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

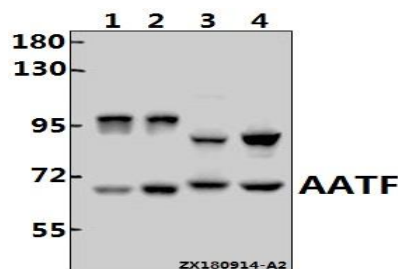
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

AATF (N16) polyclonal antibody detects endogenous levels of AATF protein.

DATA:



Western blot (WB) analysis of AATF (N16) polyclonal antibody at

1:500 dilution

Lane1:H1792 whole cell lysate(20ug)

Lane2:HEK293T whole cell lysate(20ug)

Lane3:PC12 whole cell lysate(40ug)

Lane4:CT26 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.