Product datasheet

Anti-AATF Antibody

Catalog Number: *A03945-3*

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Basic Information

Product Name	Anti-AATF Antibody
Gene Name	AATF
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, IF, ICC/IF, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human AATF recombinant protein (Position: Q5-H552). Human AATF shares 78.5% and 79.9% amino acid (aa) sequence identity with mouse and rat AATF, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	95 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunofluorescence (IF): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt, -20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Protein AATF, also known as apoptosis-antagonizing transcription factor is a protein that in humans is encoded by the AATF gene. 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

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apoptosis.

Selected Validation Data

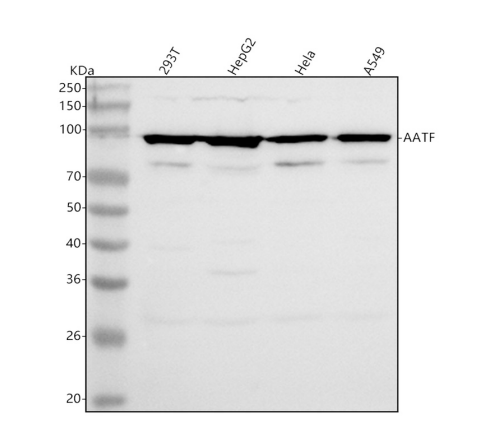

Figure 1. Western blot analysis of AATF using anti-AATF antibody (A03945-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human 293T whole cell lysates,
Lane 2: human HepG2 whole cell lysates,
Lane 3: human Hela whole cell lysates,
Lane 4: human A549 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-AATF antigen affinity purified polyclonal antibody (A03945-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for AATF at approximately 95 kDa. The expected band size for AATF is at 63 kDa.

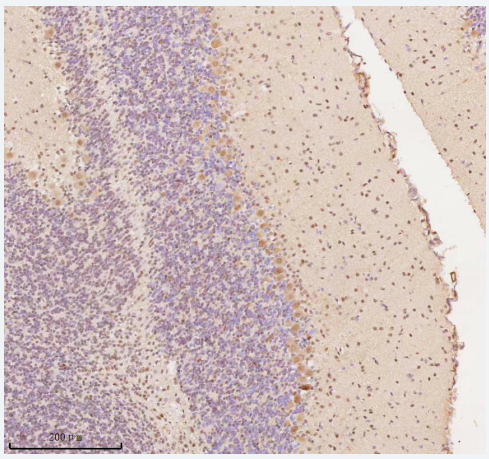

Figure 2. IHC analysis of AATF using anti-AATF antibody (A03945-3) .
AATF was detected in a paraffin-embedded section of mouse cerebellum tissue. The tissue section was incubated with rabbit anti-AATF Antibody (A03945-3) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1022) as the chromogen.

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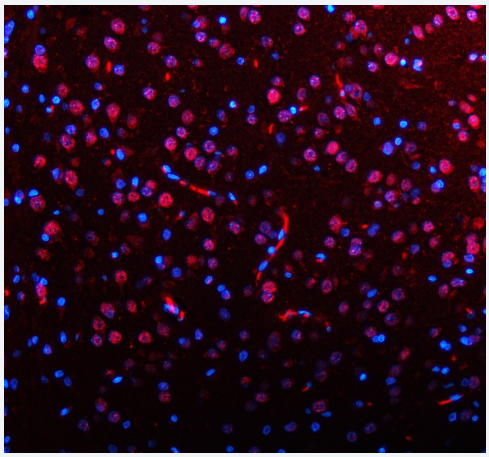

Figure 6. IF analysis of AATF using anti-AATF antibody (A03945-3).
AATF was detected in a paraffin-embedded section of rat brain tissue. The tissue section was incubated with rabbit anti-AATF Antibody (A03945-3) at a dilution of 1:100. Dylight594-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1142) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).

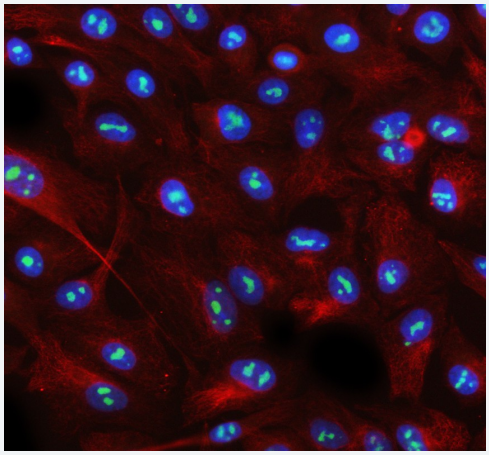

Figure 7. IF analysis of AATF using anti-AATF antibody (A03945-3) and anti-Beta Tubulin antibody (M01857-3).
AATF was detected in an immunocytochemical section of A549 cells. The section was incubated with rabbit anti-AATF Antibody (A03945-3) at a dilution of 1:100. Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green)(Catalog#BA1127) and Cy3-conjugated Anti-mouse IgG Secondary Antibody (red)(Catalog#BA1031) were used as secondary antibody.The section was counterstained with DAPI (Catalog # AR1176) (Blue).