

## Product datasheet for **TA306107**

### AATF Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	AATF antibody was raised against a 12 amino acid peptide from near the carboxy terminus of human AATF.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Immunoaffinity purified IgG
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	apoptosis antagonizing transcription factor
Database Link:	<a href="#">NP_036270</a> <a href="#">Entrez Gene 56321 Mouse</a> <a href="#">Entrez Gene 26574 Human</a> <a href="#">Q9NY61</a>



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**Background:**

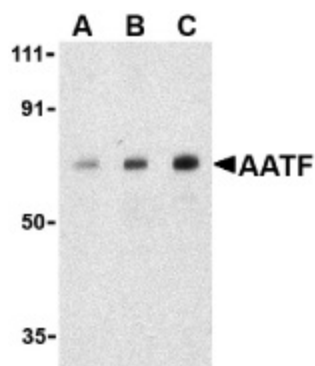
AATF (apoptosis antagonizing transcription factor) was initially discovered as an interaction partner of ZIP kinase (ZIPK) (1), a member of death-associated protein (DAP) kinase family of pro-apoptotic serine/threonine kinases (2). AATF is a phosphoprotein containing an acidic region and a putative leucine zipper domain and nuclear localization signal, features which are typical of transcription factors. AATF inhibits the ZIPK-mediated pro-apoptotic pathway and may activate other anti-apoptotic pathways (3). Recently, it has also been shown to protect neural cells against oxidative damage induced by amyloid b-peptide and to inhibit aberrant production of the b-peptide by interacting with Par-4 (prostate apoptosis response-4), another pro-apoptotic leucine zipper protein that is associated with neuronal degeneration in Alzheimer's disease (AD) (4,5), suggesting that AATF may have potential therapeutic applications in both familial and sporadic forms of AD.

**Synonyms:**

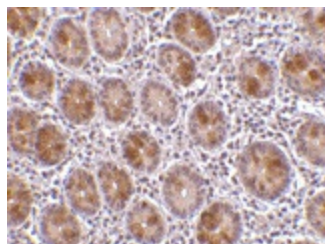
BFR2; CHE-1; CHE1; DED

**Protein Families:**

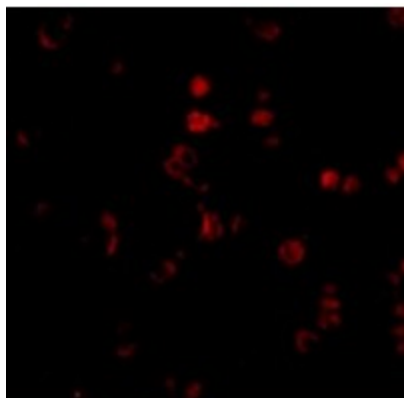
Druggable Genome, Stem cell - Pluripotency, Transcription Factors

**Product images:**

Western blot analysis of AATF in human small intestine cell lysate with AATF antibody at (A) 0.5, (B) 1 and (C) 2 ug/ml.



Immunohistochemistry of AATF in human small intestine tissue with AATF antibody at 10 ug/ml.



Immunofluorescence of AATF in Human Small Intestine cells with AATF antibody at 20 ug/mL.