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Datasheet for 200-401-X55

AATF Antibody

Overview

Description:	Anti-AATF (RABBIT) Antibody - 200-401-X55
Item No.:	200-401-X55
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	AATF (apoptosis antagonizing transcription factor) was initially discovered as an interaction partner of ZIP kinase (ZIPK), a member of death-associated protein (DAP) kinase family of pro-apoptotic serine/threonine kinases. 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. 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 beta-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), suggesting that AATF may have potential therapeutic applications in both familial and sporadic forms of AD.
Synonyms:	AATF Antibody, DED, BFR2, CHE1, CHE-1, DED, HSPC277, Protein AATF, Apoptosis-antagonizing transcription factor
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	AATF
Reactivity:	Human, Mouse

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-AATF antibody was prepared from whole rabbit serum produced by repeated immunizations with a 12 amino acid synthetic peptide from near the C-terminus of human AATF.
Purity/Specificity:	Anti-AATF Antibody was Protein A purified from monospecific antiserum by immunoaffinity purification. Cross reactivity with AATF from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9NY61 • GeneID - 26574 • NCBI - NP_036270

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-AATF Antibody has been tested for use in ELISA, Immunofluorescence, Immunohistochemistry and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at ~63 kDa in size corresponding to AATF protein by Western Blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5000 - 1:20,000
IF:	20 µg/mL
IHC:	10 µg/mL
WB:	0.5 - 2 µg/mL

Formulation

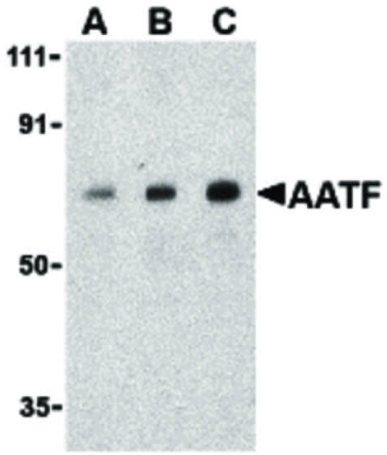
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

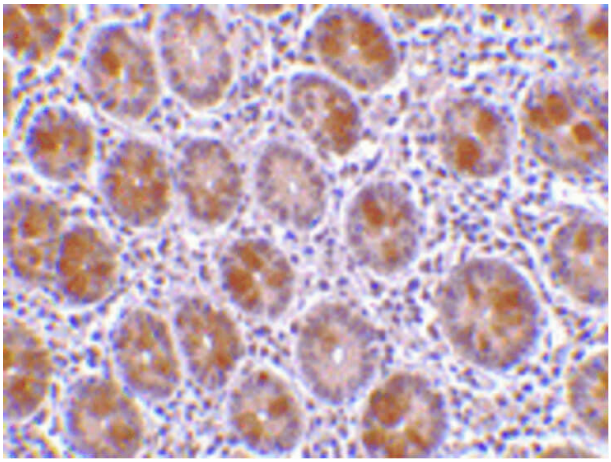
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

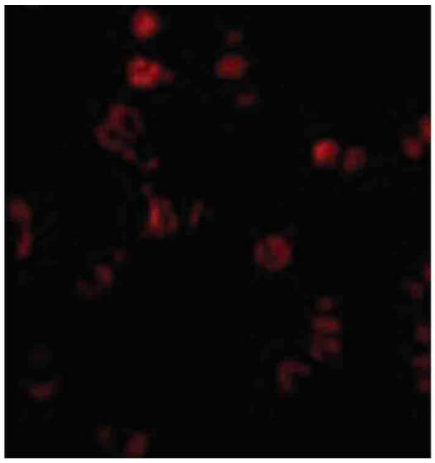
Images



Western Blot
Western Blot of AATF antibody. Lane A: human small intestine cell lysate at 0.5 µg/ml. Lane B: human small intestine cell lysate at 1 µg/ml. Lane C: human small intestine cell lysate at 2 µg/ml. Load: 35 µg per lane. Primary antibody: AATF antibody at designated concentrations for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 63 kDa, 72 kDa for AATF. Other band(s): AATF splice variants and isoforms.



Immunohistochemistry
Immunohistochemistry of AATF antibody. Tissue: human small intestine tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: AATF antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: AATF is nuclear. Staining: AATF is stained with hematoxylin purple nuclear counterstain.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of AATF antibody. Cell Type: human small intestine cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: AATF antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: AATF is nuclear. Staining: AATF as red fluorescent signal.

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