

## ATBF1 rabbit pAb

**Cat No.:ES6312** 

For research use only

## Overview

Product Name ATBF1 rabbit pAb

Host species Rabbit
Applications IHC;IF;ELISA
Species Cross-Reactivity Human;Mouse

**Recommended dilutions** Immunohistochemistry: 1/100 - 1/300. ELISA:

1/10000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human ZFHX3. AA

range:761-810

Specificity ATBF1 Polyclonal Antibody detects endogenous

levels of ATBF1 protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

**Storage** Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Zinc finger homeobox protein 3

Gene Name ZFHX3

**Cellular localization** Nucleus . Cytoplasm . Translocates from the

cytoplasm to the nucleus following TGF-beta

stimulation. Expressed in nuclear body (NB)-like dots in the nucleus some of which overlap or closely

associate with PML body. .

**Purification** The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

**Observed band** 

Human Gene ID 463 Human Swiss-Prot Number Q15911

Alternative Names ZFHX3; ATBF1; Zinc finger homeobox protein 3; AT

motif-binding factor; AT-binding transcription factor 1; Alpha-fetoprotein enhancer-binding protein; Zinc

finger homeodomain protein 3; ZFH-3



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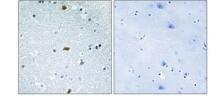
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**Background** 

This gene encodes a transcription factor with multiple homeodomains and zinc finger motifs, and regulates myogenic and neuronal differentiation. The encoded protein suppresses expression of the alpha-fetoprotein gene by binding to an AT-rich enhancer motif. The protein has also been shown to negatively regulate c-Myb, and transactivate the cell cycle inhibitor cyclin-dependent kinase inhibitor 1A (also known as p21CIP1). This gene is reported to function as a tumor suppressor in several cancers, and sequence variants of this gene are also associated with atrial fibrillation. Multiple transcript variants expressed from alternate promoters and encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009],

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ZFHX3 Antibody. The picture on the right is blocked with the synthesized peptide.



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