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**Product Name: ATBF1 Rabbit Polyclonal Antibody****Catalog #: APRab07255**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

**Dilution Ratio** IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000

**Molecular Weight**

**Antigen Information**

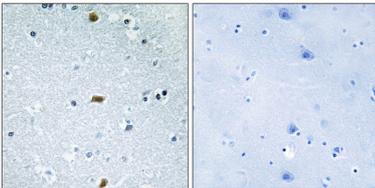
<b>Gene Name</b>	ZFHX3 ZFHX3; ATBF1; Zinc finger homeobox protein 3; AT motif-binding factor; AT-binding
<b>Alternative Names</b>	transcription factor 1; Alpha-fetoprotein enhancer-binding protein; Zinc finger homeodomain protein 3; ZFH-3
<b>Gene ID</b>	463.0
<b>SwissProt ID</b>	Q15911
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ZFHX3. AA range:761-810

## 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],function:Transcriptional activator that binds to the AT-rich core sequence of the enhancer element of the AFP gene.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 22 C2H2-type zinc fingers.,similarity:Contains 4 homeobox DNA-binding domains.,subunit:Interacts with FNBP3,.

## Research Area

## Image Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ZFH3 Antibody. The picture on the right is blocked with the synthesized peptide.