



ATBF1 Polyclonal Antibody

Catalog No	YP-Ab-01544
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF;ELISA
Gene Name	ZFHX3
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.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	C16orf47;ATBT;AT-binding transcription factor 1;ATBF1;AT motif-binding factor 1;ZFHX3;Zinc finger homeobox protein 3;AT motif-binding factor;Alpha-fetoprotein enhancer-binding protein;Zinc finger homeodomain protein 3;ZFH-3
Observed Band	
Calculated Molecular Weight	
Cell Pathway	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. .
Tissue Specificity	Not found in normal gastric mucosa but found in gastric carcinoma cells (at protein level). Expression is higher in ER-positive breast tumors than ER-negative breast tumors (at protein level).
Function	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 FBNP3.,



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],

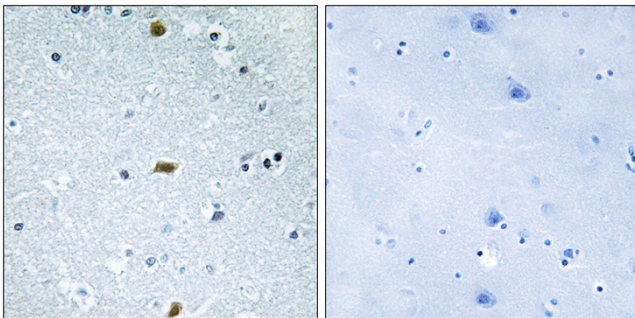
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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