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ZFHX3 / ATBF1 Antibody (aa517-787)

Rabbit Polyclonal Antibody
Catalog # ALS16841

Specification

ZFHX3 / ATBF1 Antibody (aa517-787) - Product Information

Application	**IHC**
Primary Accession	Q15911
Other Accession	463
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**404419**

ZFHX3 / ATBF1 Antibody (aa517-787) - Additional Information

Gene ID 463

Other Names
ZFHX3, AT motif-binding factor, Zinc finger homeobox 3, ZNF927, ZFH-3, Zinc finger homeobox protein 3, AT motif-binding factor 1, ATBF1, ATBT

Target/Specificity
Human ZFHX3 / ATBF1.

Reconstitution & Storage
PBS, pH 7.4, 0.02% sodium azide. Store at -20°C for up to one year.

Precautions
ZFHX3 / ATBF1 Antibody (aa517-787) is for research use only and not for use in diagnostic or therapeutic procedures.

ZFHX3 / ATBF1 Antibody (aa517-787) - Protein Information

Name ZFHX3

Synonyms ATBF1, C16orf47 {ECO:0000312|HGNC:HGNC:7

Function
Transcriptional regulator which can act as an activator or a repressor. Inhibits the enhancer element of the AFP gene by binding to its AT-rich core sequence. In concert with SMAD-dependent TGF-beta signaling can repress the transcription of AFP via its interaction with SMAD2/3 (PubMed:25105025). Regulates the circadian locomotor rhythms via transcriptional activation of neuropeptidergic genes which are essential for intercellular synchrony and rhythm amplitude in the suprachiasmatic nucleus (SCN) of the brain (By similarity). Regulator of myoblasts differentiation through the binding to the AT-rich sequence of MYF6 promoter and promoter repression (PubMed:11312261).

Down-regulates the MUC5AC promoter in gastric cancer (PubMed:17330845). In association with RUNX3, up-regulates CDKN1A promoter activity following TGF-beta stimulation (PubMed:20599712). Inhibits estrogen receptor (ESR1) function by selectively competing with coactivator NCOA3 for binding to ESR1 in ESR1-positive breast cancer cells (PubMed:20720010).

Cellular Location
Nucleus. Cytoplasm Note=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 Location
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).

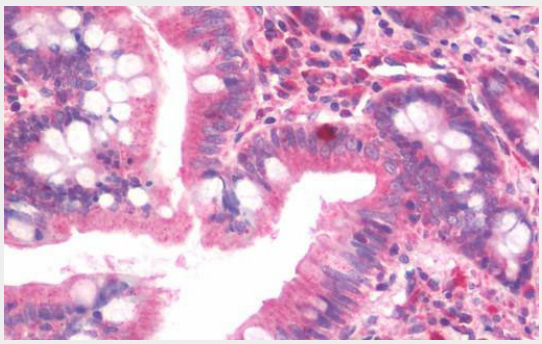
Volume
50 µl

ZFHX3 / ATBF1 Antibody (aa517-787) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ZFHX3 / ATBF1 Antibody (aa517-787) - Images



Anti-ZFHX3 / ATBF1 antibody IHC staining of human small intestine.

ZFHX3 / ATBF1 Antibody (aa517-787) - Background

Transcriptional repressor. It inhibits the enhancer element of the AFP gene by binding to its AT-rich core sequence. Regulator of myoblasts differentiation through the binding to the AT-rich sequence of MYF6 promoter and promoter repression. Down- regulates the MUC5AC promoter in gastric cancer.

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ZFHX3 / ATBF1 Antibody (aa517-787) - References

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Loftus B.J.,et al.Genomics 60:295-308(1999).