

ZFX Antibody

Catalog # ASC11473

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	P17010
Other Accession	NP_003401 , 71061446
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	90522
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ZFX antibody can be used for detection of ZFX by Western blot at 1 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 5 μ g/mL.

Additional Information

Gene ID	7543
Other Names	Zinc finger X-chromosomal protein, ZFX
Target/Specificity	ZFX; ZFX antibody is human specific. Multiple isoforms of ZFX are known to exist..
Reconstitution & Storage	ZFX antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	ZFX Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZFX
Function	Probable transcriptional activator.
Cellular Location	Nucleus.

Background

ZFX Antibody: The X-linked zinc finger protein ZFX is a member of the Kruppel C2H2-type zinc-finger protein

family. The full-length protein contains an acidic transcriptional activation domain (AD), a nuclear localization sequence (NLS) and a DNA binding domain (DBD) consisting of 13 C2H2-type zinc fingers. Studies in mouse embryonic and adult hematopoietic stem cells showed that this gene was required as a transcriptional regulator for self-renewal of both stem cell types, but it was dispensable for growth and differentiation of their progeny.

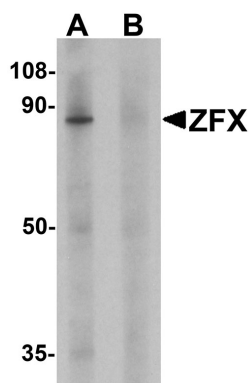
References

Schneider-Gadicke A, Beer-Romero P, Brown LG, et al. Putative transcription activator with alternative isoforms encoded by human ZFX gene. *Nature* 1989; 342:708-11.

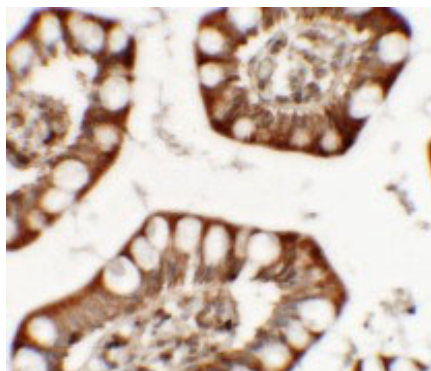
Galan-Caridad JM, Harel S, Arenzana TL, et al. Zfx controls the self-renewal of embryonic and hematopoietic stem cells. *Cell* 2007; 129:345-57.

Arenzana TL, Smith-Raska MR, and Reizis B. Transcription factor Zfx controls BCR-induced proliferation and survival of B lymphocytes. *Blood* 2009; 113:5857-67

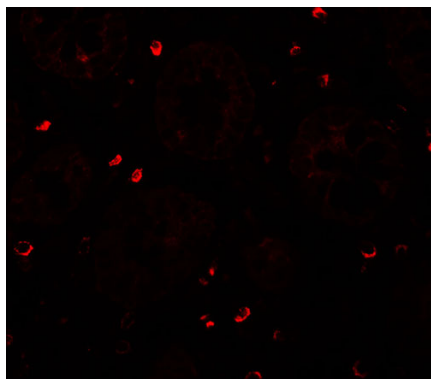
Images



Western blot analysis of ZFX human small intestine tissue lysate with ZFX antibody at 1 $\mu\text{g}/\text{ml}$ in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of ZFX in human small intestine tissue with ZFX antibody at 5 $\mu\text{g}/\text{mL}$.



Immunofluorescence of ZFX in human small intestine tissue with ZFX antibody at 20 $\mu\text{g}/\text{mL}$.