

**ZFX Antibody**  
**Catalog # ASC11473****Specification**

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**ZFX Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">P17010</a>
Other Accession	<a href="#">NP_003401</a> , <a href="#">71061446</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	ZFX antibody can be used for detection of ZFX by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 5 µg/mL.

**ZFX Antibody - Additional Information**Gene ID **7543****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.

**ZFX Antibody - Protein Information****Name** ZFX**Function**

Probable transcriptional activator.

**Cellular Location**

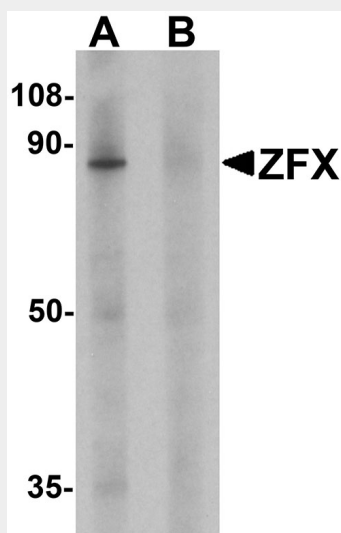
Nucleus.

**ZFX Antibody - Protocols**

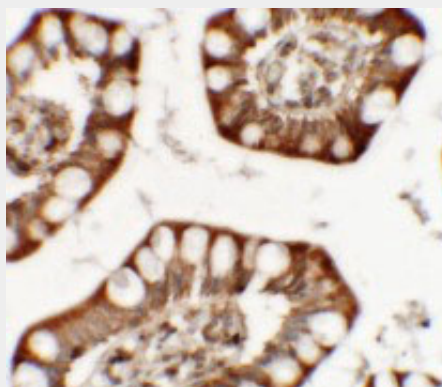
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

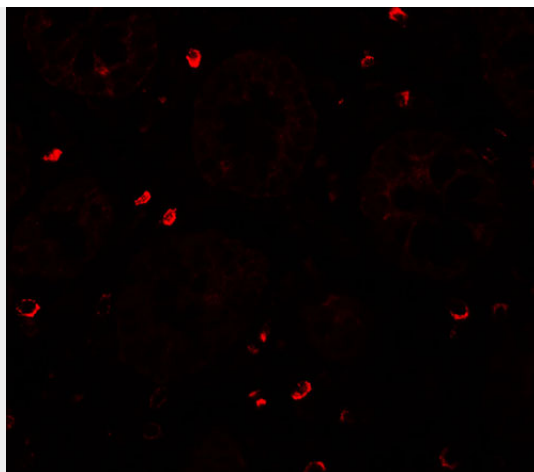
#### ZFX Antibody - Images



Western blot analysis of ZFX human small intestine tissue lysate with ZFX antibody at 1  $\mu$ g/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  $\mu$ g/mL.



Immunofluorescence of ZFX in human small intestine tissue with ZFX antibody at 20 µg/mL.

### **ZFX Antibody - 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.

### **ZFX Antibody - 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