

For Research Use Only

# ZFX Polyclonal antibody

Catalog Number: 27655-1-AP



## Basic Information

<b>Catalog Number:</b> 27655-1-AP	<b>GenBank Accession Number:</b> NM_001178084	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7543	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P17010	
<b>Isotype:</b> IgG	<b>Full Name:</b> zinc finger protein, X-linked	
<b>Immunogen Catalog Number:</b> AG26576	<b>Calculated MW:</b> 91 kDa	
	<b>Observed MW:</b> ~130 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HL-60 cells, HeLa cells, K-562 cells, PC-12 cells
<b>Species Specificity:</b> Human, rat	

## Background Information

ZFX (Zinc finger protein, X-linked), a key factor that controls the self-renewal of ESCs, belongs to the ZFY family whose members (ZFX, ZFY, ZFA) have similar molecular structures. Mammalian ZFX contains an acidic transcriptional activation domain, a nuclear localization signal (NLS) sequence, and a DNA binding domain consisting of 13 C2H2 zinc fingers. Knocking out ZFX has been shown to impair the self-renewal capacity of mouse ESC and tissue-specific adult stem cell such as hematopoietic stem cells (HSCs) without affecting their differentiation, and ZFX overexpression has been shown to promote ESC self-renewal by impeding differentiation. It's reported that the 130 kDa band was N-glycosylated, and such a posttranslational modification (PTM) may control the nuclear import of ZFX, 91 kDa may be the non-N-glycosylated subtype which was lowly expressed. (PMID: 23322077, PMID:24228108)

## Storage

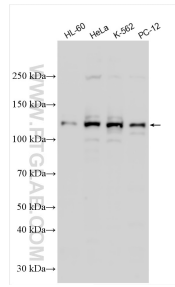
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27655-1-AP (ZFX antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.