

For Research Use Only

# EWS Polyclonal antibody

Catalog Number: 55191-1-AP

5 Publications



## Basic Information

<b>Catalog Number:</b> 55191-1-AP	<b>GenBank Accession Number:</b> NM_005243	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 µg/ml by Nanodrop and 573 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2130	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> Ewing sarcoma breakpoint region 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 68 kDa	
	<b>Observed MW:</b> 68-70 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, WB	<b>WB :</b> K-562 cells, mouse testis tissue, Jurkat cells
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human colon cancer tissue, human small intestine tissue
<b>Cited Species:</b> human, rat, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

EWS, also named as WSR1, belongs to the RRM TET family. It might normally function as a repressor. EWS-fusion-proteins (EFPS) may play a role in the tumorigenic process. They may disturb gene expression by mimicking, or interfering with the normal function of CTD-POLII within the transcription initiation complex. They may also contribute to an aberrant activation of the fusion protein target genes. This antibody is specific to EWS. And a 90 kDa band also could be detected (PMID:23552423).

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhijie Shen	33294289	Mol Ther Nucleic Acids	WB
Xinxin Zuo	33398173	Nat Struct Mol Biol	WB
Junichiro Mitsui	38311402	J Reprod Dev	IF

## Storage

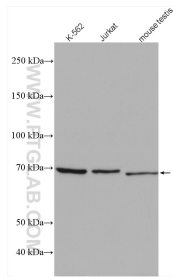
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

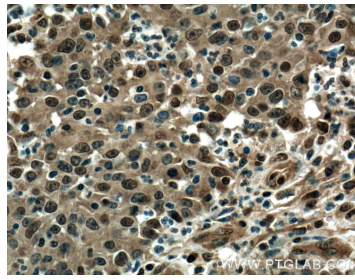
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55191-1-AP (EWS antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 55191-1-AP (EWS Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).