

# EWS Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51199

## Product Information

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Application	WB
Primary Accession	<a href="#">Q01844</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68478

## Additional Information

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Gene ID	2130
Other Names	RNA-binding protein EWS, EWS oncogene, Ewing sarcoma breakpoint region 1 protein, EWSR1, EWS
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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Name	EWSR1
Synonyms	EWS
Function	Binds to ssRNA containing the consensus sequence 5'-AGGUAA-3' (PubMed: <a href="#">21256132</a> ). Might normally function as a transcriptional repressor (PubMed: <a href="#">10767297</a> ). 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.
Cellular Location	Nucleus. Cytoplasm. Cell membrane. Note=Relocates from cytoplasm to ribosomes upon PTK2B/FAK2 activation
Tissue Location	Ubiquitous.

## Background

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Might normally function as a transcriptional 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.

## References

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Plougastel B., et al. Genomics 18:609-615(1993).  
Zucman-Rossi J., et al. Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.  
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Ota T., et al. Nat. Genet. 36:40-45(2004).

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