

**EWSR1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8823B****Specification**

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**EWSR1 Antibody (C-term) - Product Information**

Application	IF, FC, WB,E
Primary Accession	<a href="#">Q01844</a>
Other Accession	<a href="#">Q61545</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	68478
Antigen Region	628-656

**EWSR1 Antibody (C-term) - Additional Information****Gene ID** 2130**Other Names**

RNA-binding protein EWS, EWS oncogene, Ewing sarcoma breakpoint region 1 protein, EWSR1, EWS

**Target/Specificity**

This EWSR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 628-656 amino acids from the C-terminal region of human EWSR1.

**Dilution**IF~~1:10~50  
FC~~1:10~50  
WB~~1:1000  
E~~Use at an assay dependent concentration.**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

EWSR1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**EWSR1 Antibody (C-term) - Protein Information**

**Name** EWSR1

**Synonyms** EWS

**Function** Binds to ssRNA containing the consensus sequence 5'-AGGUAA-3' (PubMed:[21256132](#)). Might normally function as a transcriptional repressor (PubMed:[10767297](#)). 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**

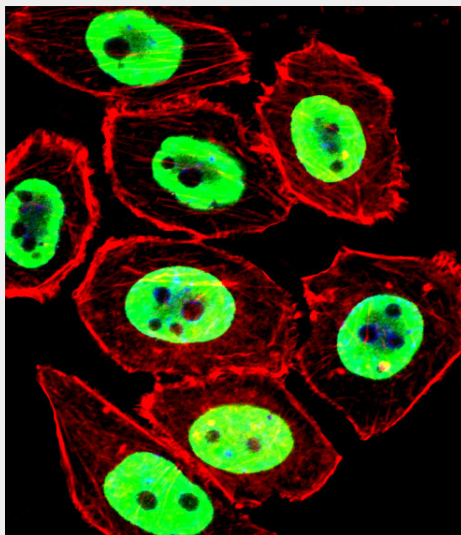
Ubiquitous.

**EWSR1 Antibody (C-term) - Protocols**

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

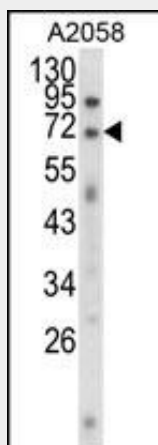
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**EWSR1 Antibody (C-term) - Images**

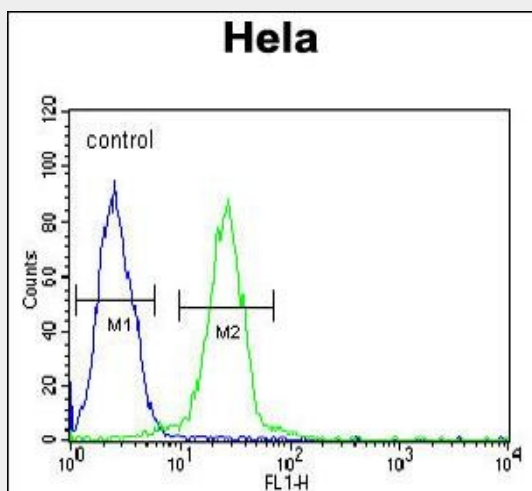


Fluorescent confocal image of U251 cell stained with EWSR1 Antibody (C-term)(Cat#AP8823b).U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with EWSR1 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red)

conjugated Phalloidin (7units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min).EWSR1 immunoreactivity is localized to Nucleus significantly.



Western blot analysis of EWSR1 Antibody (C-term) (Cat. #AP8823b) in A2058 cell line lysates (35ug/lane). EWSR1 (arrow) was detected using the purified Pab.



EWSR1 Antibody (C-term) (Cat. #AP8823b) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **EWSR1 Antibody (C-term) - Background**

EWSR1 is a multifunctional protein that is involved in various cellular processes, including gene expression, cell signaling, and RNA processing and transport. The protein includes an N-terminal transcriptional activation domain and a C-terminal RNA-binding domain.

#### **EWSR1 Antibody (C-term) - References**

Bhagirath,T., et.al., Genes Chromosomes Cancer 13 (2), 126-132 (1995)