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EWSR1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14576b

Specification

EWSR1 Antibody (C-term) - Product Information

Application	**IF, WB,E**
Primary Accession	Q01844
Other Accession	Q61545, NP_005234.1, NP_001156757.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**68478**
Antigen Region	**623-652**

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 623-652 amino acids from the C-terminal region of human EWSR1.

Dilution
IF~~1:10~50
WB~~1:1000

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 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.

Cellular Location
Nucleus. Cytoplasm. Cell membrane. Note=Relocates from cytoplasm to ribosomes upon PTK2B/FAK2 activation

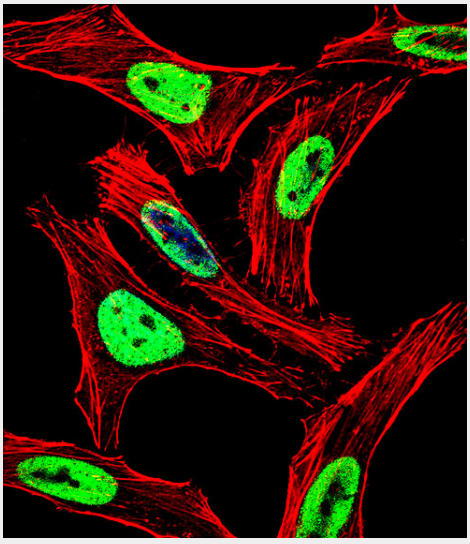
Tissue Location
Ubiquitous.

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 Cytomety
- Cell Culture

EWSR1 Antibody (C-term) - Images



Fluorescent confocal image of Hela cell stained with EWSR1 Antibody (C-term)(Cat#AP14576b).Hela 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℃). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37℃).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37℃). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min).EWSR1 immunoreactivity is localized to Nucleus significantly.

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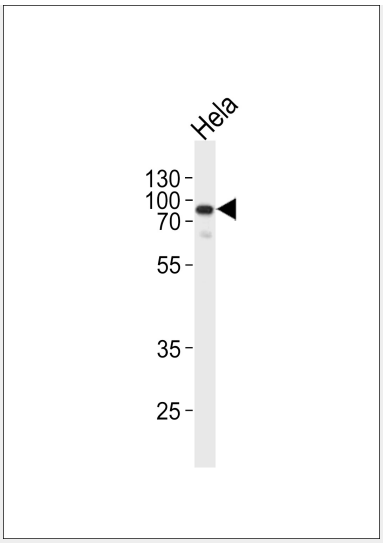

EWSR1 Antibody (C-term) (Cat. #AP14576b) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the EWSR1 antibody detected the EWSR1 protein (arrow).

EWSR1 Antibody (C-term) - Background

This gene encodes 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. Chromosomal translocations between this gene and various genes encoding transcription factors result in the production of chimeric proteins that are involved in tumorigenesis. These chimeric proteins usually consist of the N-terminal transcriptional activation domain of this protein fused to the C-terminal DNA-binding domain of the transcription factor protein. Mutations in this gene, specifically a t(11;22)(q24;q12) translocation, are known to cause Ewing sarcoma as well as neuroectodermal and various other tumors. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1 and 14. [provided by RefSeq].

EWSR1 Antibody (C-term) - References

Lagirand-Cantaloube, J., et al. Biochem. Biophys. Res. Commun. 399(4):705-710(2010)
Kumagai, A., et al. Am. J. Clin. Pathol. 134(2):323-331(2010)
Aryee, D.N., et al. Cancer Res. 70(10):4015-4023(2010)
Riggi, N., et al. Genes Dev. 24(9):916-932(2010)
Olsen, J.V., et al. Cell 127(3):635-648(2006)