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EWSR1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP14576b

Specification

EWSR1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q01844

EWSR1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 2130

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

EWSR1 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

EWSR1 Antibody (C-term) Blocking Peptide - Images

EWSR1 Antibody (C-term) Blocking Peptide - Background

This gene encodes a multifunctional protein that isinvolved in various cellular processes, including gene expression,cell signaling, and RNA processing and transport. The proteinincludes an N-terminal transcriptional activation domain and aC-terminal RNA-binding domain. Chromosomal translocations betweenthis gene and various genes encoding transcription factors resultin the production of chimeric proteins that are involved intumorigenesis. These chimeric proteins usually consist of theN-terminal transcriptional activation domain of this protein fusedto the C-terminal DNA-binding domain of the transcription factorprotein. Mutations in this gene, specifically a t(11;22)(q24;q12)translocation, are known to cause Ewing sarcoma as well asneuroectodermal and various other tumors. Alternative splicing ofthis gene results in multiple transcript variants. Relatedpseudogenes have been identified on chromosomes 1 and 14. [providedby RefSeq].

EWSR1 Antibody (C-term) Blocking Peptide - 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)