

### EWSR1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AW5593

### Specification

# EWSR1 Antibody (C-term) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Calculated MW Isotype Antigen Source

IF, WB,E <u>O01844</u> <u>O61545</u> Human, Mouse Dog Rabbit Polyclonal H=68, 69, 61, 63;M=68 KDa Rabbit IgG HUMAN

### EWSR1 Antibody (C-term) - Additional Information

Gene ID 2130

Antigen Region 619-654

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

**Dilution** IF~~1:25 WB~~1:2000

**Target/Specificity** This EWSR1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 619-654 amino acids from the C-terminal region of human EWSR1.

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:<a href="http://www.uniprot.org/citations/21256132" target="\_blank">21256132</a>). Might normally function as a transcriptional repressor (PubMed:<a href="http://www.uniprot.org/citations/10767297" target="\_blank">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

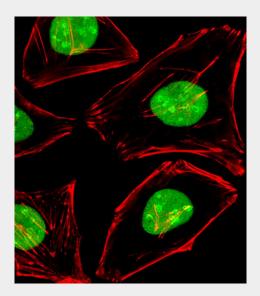
Tissue Location Ubiquitous.

# 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
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

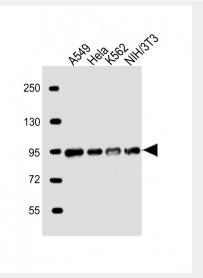
### EWSR1 Antibody (C-term) - Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0. 1% Triton X-100 permeabilized Hela (Human Cervical epithelial adenocarcinoma cell line) cells labeling EWSR1 with AW5593 at 1/25 dilution, followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (1583138) secondary



antibody at 1/400 dilution (green). Confocal image showing nuclear staining on Hela cell line. Cytoplasmic actin is detected with Alexa Fluor® 555 conjugated with Phalloidin (OB16636430) at 1/100 dilution (red).



All lanes : Anti-EWSR1 Antibody (C-term) at 1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: Hela whole cell lysate Lane 3: K562 whole cell lysate Lane 4: NIH/3T3 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

# EWSR1 Antibody (C-term) - Background

Might normally function as a transcriptionnal 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.

# EWSR1 Antibody (C-term) - References

Delattre O., et al. Nature 359:162-165(1992). Plougastel B., et al. Genomics 18:609-615(1993). Zucman-Rossi J., et al. Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases. Collins J.E., et al. Genome Biol. 5:R84.1-R84.11(2004). Ota T., et al. Nat. Genet. 36:40-45(2004).