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EWSR1 (N) Antibody, Rabbit Polyclonal

Cat#: R2535-1

Lot#: Refer to vial

Quantity: 100 ul

Application: WB

Predicted I Observed M.W.: 68 I 75, 85 kDa

Uniprot ID: Q01844

Background:

Ewing sarcoma breakpoint region 1 protein (EWSR1) is a multifunctional protein involved in various cellular processes, including gene expression, cell signaling and RNA processing and transport. EWSR1 contains a N-terminal transcriptional activation domain and a C-terminal RNA-binding domain. Chromosomal translocations between the EWSR1 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 EWSR1 fused to the C-terminal DNA-binding domain of the transcription factor. 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 [provided by RefSeq].

Other Names:

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

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human EWSR1. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN_3. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301

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Product Data:

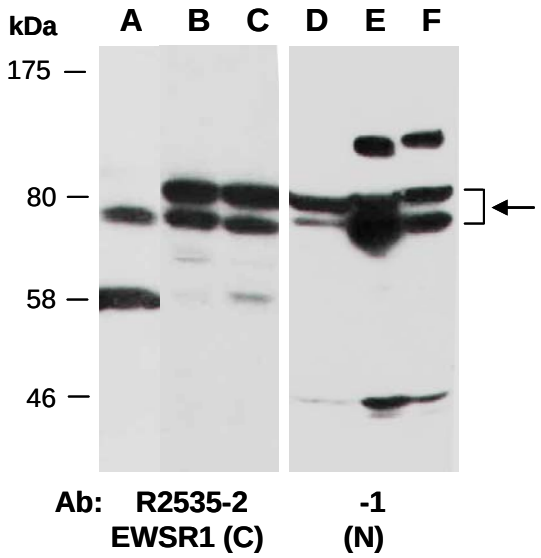

Fig 1. *Western blot of total cell extracts from A) mouse brain, B, E) human HeLa, C, F) human Jurkat, D) mouse thymus; using 2 independent Abs against 2 distinct regions of human EWSR1 at RT for 2 h.*