

## Product datasheet for **TA324001**

### **EWSR1 Rabbit Polyclonal Antibody**

#### **Product data:**

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | WB   |
| Recommended Dilution:   | WB: 1:500-1000   |
| Reactivity:             | Human, Mouse, Rat  |
| Host:                   | Rabbit   |
| Isotype:                | IgG  |
| Clonality:              | Polyclonal   |
| Immunogen:              | Peptide sequence around aa.213~217(T-Y-G-Q-P)derived from Human EWS.   |
| Formulation:            | PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol   |
| Concentration:          | lot specific   |
| Purification:           | Antigen affinity purification  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 68 kDa   |
| Gene Name:              | EWS RNA binding protein 1  |
| Database Link:          | <a href="#">NP_001156757</a><br><a href="#">Entrez Gene 14030 MouseEntrez Gene 289752 RatEntrez Gene 2130 Human Q01844</a> |



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**Background:**

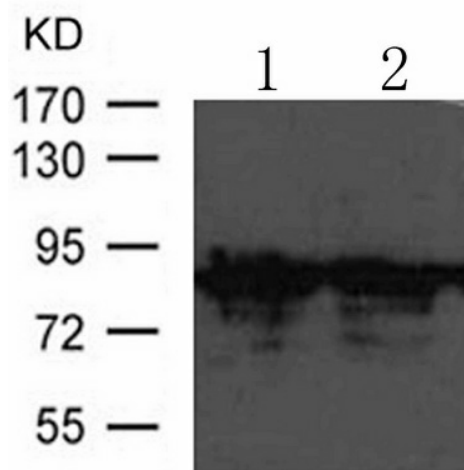
This gene encodes a multifunctional protein that is involved in various cellular processes, including gene expression, cell signaling, and RNA processing and transport. The protein includes an N-terminal transcriptional activation domain and a C-terminal RNA-binding domain. Chromosomal translocations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

**Synonyms:**

bK984G1.4; EWS; EWS-FLI1

**Protein Families:**

Druggable Genome, Stem cell - Pluripotency, Transcription Factors

**Product images:**

Predicted band size: 68 kDa. Positive control: 293 and 3T3 cells lysate. Recommended dilution: 1/500-1000. (Gel: 8%SDS-PAGE Lane 1, 2: 293 and 3T3 cells lysate Lysates: 30 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)