



Anti-EWSR1 (aa 358-453) polyclonal antibody (DPAB-DC919)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | 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. |
| Immunogen | EWSR1 (NP_005234, 358 a.a. ~ 453 a.a) partial recombinant protein with GST tag. The sequence is SDNSAIYVQGLNDSVTLDDLADFFKQCGVVKMNKRTGQPMIHIYLDKETGKPKGDATVSY EDPPTAKAAVEWFDGKDFQGSKLKVSLARKKPPMNS |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Cell lysate), WB (Recombinant protein), ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |
| Preservative | None |

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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| Gene Name | EWSR1 EWS RNA-binding protein 1 [Homo sapiens (human)] |
| Official Symbol | EWSR1 |
| Synonyms | EWSR1; EWS RNA-binding protein 1; EWS; bK984G1.4; RNA-binding protein EWS; EWS RNA-binding protein variant 6; Ewing sarcoma breakpoint region 1; Ewings sarcoma EWS-Fli1 (type 1) oncogene; |
| Entrez Gene ID | 2130 |
| Protein Refseq | NP_001156757 |
| UniProt ID | Q01844 |
| Chromosome Location | 22q12.2 |
| Pathway | BARD1 signaling events; |
| Function | RNA binding; calmodulin binding; identical protein binding; nucleotide binding |
