



Human EWSR1 blocking peptide (CDBP1169)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-EWS/EWSR1 antibody
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.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name [EWSR1 Ewing sarcoma breakpoint region 1 \[Homo sapiens \]](#)

Official Symbol	EWSR1
Synonyms	EWSR1; Ewing sarcoma breakpoint region 1; RNA-binding protein EWS; EWS; Ewings sarcoma EWS-Flt1 (type 1) oncogene; bK984G1.4;
Entrez Gene ID	2130
mRNA Refseq	NM_001163285
Protein Refseq	NP_001156757
UniProt ID	Q01844
Chromosome Location	22q12.2
Pathway	BARD1 signaling events, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
Function	RNA binding; calmodulin binding; metal ion binding; nucleic acid binding; nucleotide binding; protein binding; zinc ion binding;