

Product Name: KD-Validated EWS RNA Binding Protein 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAb01270

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 68.5kDa

Antigen Information

Gene Name	EWSR1 EWSR1; EWS RNA Binding Protein 1; EWS; Ewing Sarcoma Breakpoint Region 1; RNA-Binding
Alternative Names	Protein EWS; Ewings Sarcoma EWS-Flt1 (Type 1) Oncogene; Ewing Sarcoma Breakpoint Region 1 Protein; EWS Oncogene; BK984G1.4; EWS-FLI1
Gene ID	2130.0
SwissProt ID	Q01844
Immunogen	A synthesized peptide derived from human EWSR1

Background

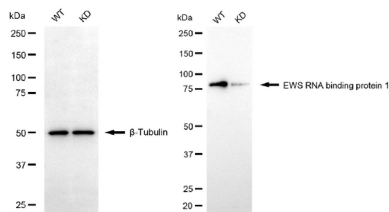
This gene encodes a multifunctional protein that is involved in various cellular processes, including gene expression, cell

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. [provided by RefSeq, Jul 2009]

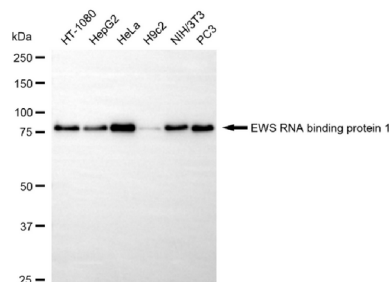
Research Area

Tags & Cell Markers, Epigenetics and Nuclear Signaling

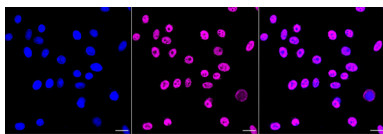
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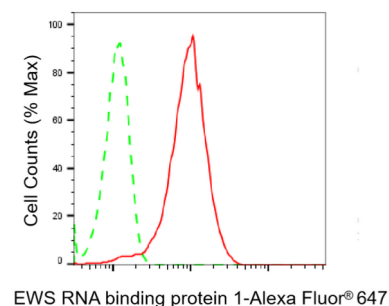
Western blotting analysis using EWS RNA binding protein 1 antibody (KVA01270). EWS RNA binding protein 1 expression in wild-type (WT) and EWS RNA binding protein 1 (EWSR1) knockdown (KD) 293T cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with EWS RNA binding protein 1 antibody (KVA01270, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using EWS RNA binding protein 1 antibody (KVA01270). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with EWS RNA binding protein 1 antibody (KVA01270, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with EWS RNA binding protein 1 antibody (KVA01270, 1:1,000). Nuclei were stained blue with DAPI; EWS RNA binding protein 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Flow cytometric analysis of EWS RNA binding protein 1 expression in HepG2 cells using EWS RNA binding protein 1 antibody (KVA01270, 1:2,000). Green, isotype control; red, EWS RNA binding protein 1.