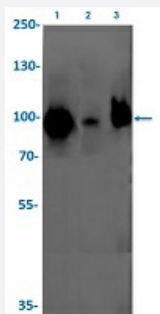


RecomAb™

EWSR1 recombinant monoclonal antibody, clone R09-3A7

Catalog # RAB02292 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: MCF-7, Lane 2: 3T3 and Lane 3: Hela lysates with EWSR1 recombinant monoclonal antibody, clone R09-3A7 (Cat # RAB02292).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human EWSR1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human EWSR1.
Theoretical MW (kDa)	Calculated MW: 68 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

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

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: MCF-7, Lane 2: 3T3 and Lane 3: Hela lysates with EWSR1 recombinant monoclonal antibody, clone R09-3A7 (Cat # RAB02292).

- Immunofluorescence

Gene Info — EWSR1

Entrez GeneID[2130](#)**Protein Accession#**[Q01844](#)**Gene Name**

EWSR1

Gene Alias

EWS

Gene Description

Ewing sarcoma breakpoint region 1

Omim ID[133450](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

Ewing sarcoma EWS-FLI1 (type 1) oncogene|bK984G1.4 (Ewing sarcoma breakpoint region 1 protein)