

## Anti-EWSR1 antibody

<b>Cat. No.</b>	ml225788
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-EWSR1 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human EWSR1
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	1.26 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	EWSR1
<b>Full name</b>	EWS RNA binding protein 1

**Synonyms** EWS; EWS-FLI1; bK984G1.4

**Swissprot** Q01844

### Target 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.

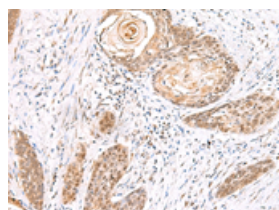
## Applications

### Immunohistochemistry

Predicted cell location: Nucleus

Positive control: Human esophagus cancer

Recommended dilution: 50-300

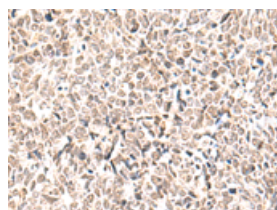


The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml225788(EWSR1 Antibody) at dilution 1/70, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Nucleus

Positive control: Human lung cancer

Recommended dilution: 50-300



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml225788(EWSR1 Antibody) at dilution 1/70, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 68 kDa

Positive control: 293T and HepG2 cell lysates

Recommended dilution: 1000-5000

Gel: 8%SDS-PAGE

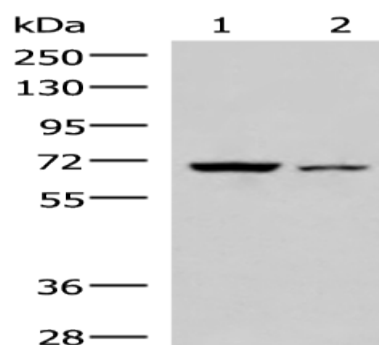
Lysate: 40  $\mu$ g

Lane 1-2: 293T and HepG2 cell lysates

Primary antibody: ml225788(EWSR1 Antibody) at dilution 1/1000

Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution

Exposure time: 10 seconds



## ELISA

Recommended dilution: 5000-10000

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