

Mouse EWSR1 Monoclonal Antibody | anti-EWSR1 antibody

EWSR1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76627	Mouse	Human, Mouse, Rat, Dog, Equine	Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry

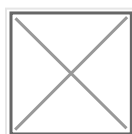
PRODUCT SYNONYMS

EWSR1; Monoclonal Antibody; anti-EWSR1 antibody

PRODUCT SPECIFICATIONS

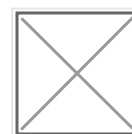
Host	Mouse
Reactivity	Human, Mouse, Rat, Dog, Equine
Clonality	Monoclonal
Isotype	Mouse IgG
Form/Format	Purified liquid antibody in PBS, 50% glycerol plus 5mM of Sodium Azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-EWSR1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Full length human EWS expressed in and purified from E Coli.
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degree C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2-8 degree C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of different cell lines lysates using mouse mAB to EWS, MO22168, dilution 1:1,000 in green: [1] protein standard (red), [2] HeLa, [3] HEK293, [4] mouse NIH-3T3, [5] rat PC12, [6] equine NBL6 and [7] canine A72 cells. The strong band at ~80kDa corresponds to the EWS protein seen in all species tested.



Application Data

An image of a HeLa cell cultures stained with antibody MO22168 (green) to EWS and counterstained with chicken antibody to vimentin (red). Blue is the Hoechst DNA stain. The EWS protein is clearly localized along with the DNA in the nucleus.

ADDITIONAL INFORMATION

Related Product Information for anti-EWSR1 antibody	The Ewing Sarcoma breakpoint region 1 gene EWSR1, was discovered as the name suggests as it is located at the breakpoint on human chromosome 22 which may becomes fused to segments of other chromosomes following chromoplexy, a burst of complex chromosomal rearrangement seen in cancer cells. The genetic rearrangement produces a set of aberrant genes consisting of the 5' of the EWSR1 gene fused to gene segments of several different transcriptional regulator proteins. The normal EWSR1 gene encodes a protein, EWS RNA binding protein 1, containing an N-terminal transactivation domain followed by a single RRM domain and a single Zinc Finger domain of the ZnF RBZ type. Chromoplexy results in the production of aberrant genes encoding the N-terminal EWS transactivation domain fused to DNA binding segments of various transcription factors, resulting in strong activation of transcription. EWS is an abundant, ubiquitous and multifunctional protein involved in regulating gene expression, cell division, RNA processing and transport. EWS is localized primarily in the nucleus of cells, but has also been found in the cytoplasm, and associated with the plasma membrane in a fashion regulated by the protein kinase PYK2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	253970502
NCBI GeneID	2130
NCBI Accession #	NP_001156757.1
NCBI GenBank Nucleotide #	NM_001163285.1
UniProt Accession #	Q01844; Q5THL0; Q92635; Q96FE8; Q96MN4; Q96MX4; Q9BWA2; B0QYK1
Molecular Weight	68,478 Da
NCBI Official Full Name	RNA-binding protein EWS isoform 3
NCBI Official Synonym Full Names	EWS RNA-binding protein 1
NCBI Official Symbol	EWSR1
NCBI Official Synonym Symbols	EWS; bK984G1.4
NCBI Protein Information	RNA-binding protein EWS; Ewing sarcoma breakpoint region 1; Ewings sarcoma EWS-Flt1 (type 1) oncogene
UniProt Protein Name	RNA-binding protein EWS
UniProt Gene Name	EWSR1
UniProt Synonym Gene Names	EWS
UniProt Entry Name	EWS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ewsr1-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76627>