

ARG64855 anti-EWSR1 / EWS antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes EWSR1 / EWS
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Pig
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognize all five reported isoforms (NP_053733.2; NP_005234.1; NP_001156757.1; NP_001156758.1; NP_001156759.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	EWSR1 / EWS
Species	Human
Immunogen	C-TSYDQSSYSQQNTYG
Conjugation	Un-conjugated
Alternate Names	RNA-binding protein EWS; bK984G1.4; EWS-FLI1; Ewing sarcoma breakpoint region 1 protein; EWS; EWS oncogene

Application Instructions

Application table	Application	Dilution
	IHC-P	Assay - dependent
	WB	0.3 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

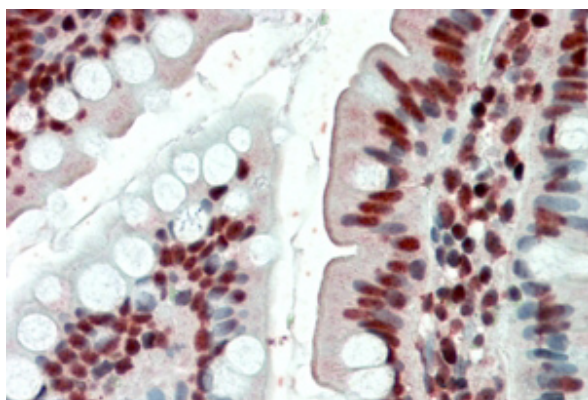
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

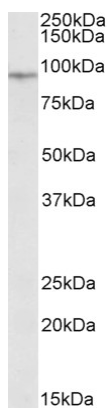
Database links	GeneID: 2130 Human Swiss-port # Q01844 Human
Gene Symbol	EWSR1
Gene Full Name	EWS RNA binding protein 1
Background	This gene encodes a multifunctional protein that is involved in various cellular processes, including gene expression, cell signaling, and RNA processing and transport. The 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	Controls and Markers antibody; Gene Regulation antibody
Calculated Mw	68 kDa
PTM	Phosphorylated; calmodulin-binding inhibits phosphorylation of Ser-266. Highly methylated on arginine residues. Methylation is mediated by PRMT1 and, at lower level by PRMT8.

Images



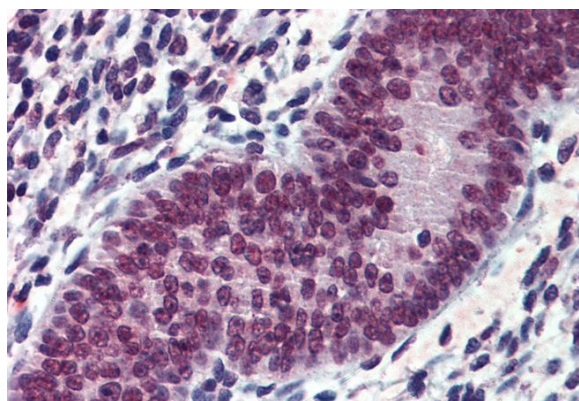
ARG64855 anti-EWSR1 / EWS antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human small Intestine tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64855 anti-EWSR1 / EWS antibody at 3.8 µg/ml dilution followed by AP-staining.



ARG64855 anti-EWSR1 / EWS antibody WB image

Western blot: 35 µg of HeLa (nuclear) lysate (in RIPA buffer) stained with ARG64855 anti-EWSR1 / EWS antibody at 0.3 µg/ml dilution.



ARG64855 anti-EWSR1 / EWS antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human uterus tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64855 anti-EWSR1 / EWS antibody at 3.75 µg/ml dilution followed by AP-staining.