Product Datasheet

EWSR1 Antibody - BSA Free
NB200-182

Unit Size: 100 ul

Store at 4C. Do not freeze.

www.novusbio.com technical@novusbio.com

Publications: 1

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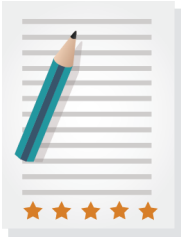
Updated 9/9/2025 v.20.1



NB200-182

EWSR1 Antibody - BSA Free

Product Information

Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

Product Description

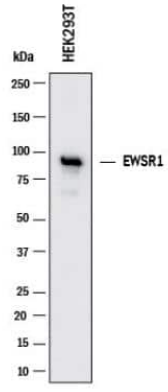
Description	Novus Biologicals Rabbit EWSR1 Antibody - BSA Free (NB200-182) is a polyclonal antibody validated for use in IHC, WB, Simple Western and IP. Anti-EWSR1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2130
Gene Symbol	EWSR1
Species	Human, Mouse
Immunogen	A synthetic peptide that maps to a region between residues 100 and 150 of human Ewing sarcoma breakpoint region 1 using the numbering given in SwissProt entry Q01844 (GeneID 2130).

Product Application Details

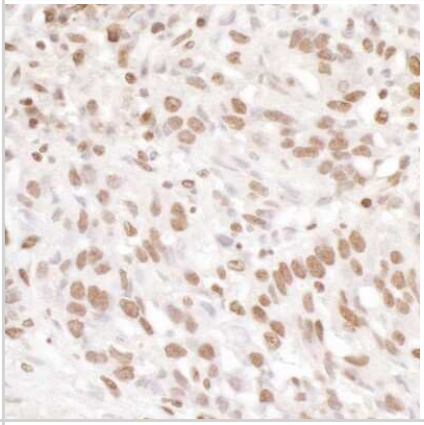
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:10000-1:20000, Simple Western, Immunohistochemistry 1:2000 - 1:10000, Immunoprecipitation 1-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:2000 -1:10000
Application Notes	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. See Simple Western Antibody Database for Simple Western validation

Images

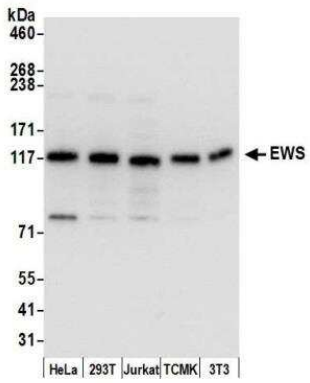
Western Blot: EWSR1 Antibody [NB200-182] - Image shows a specific band for EWSR1 (observed molecular weight ~95 kDa) in HEK293T lysate.



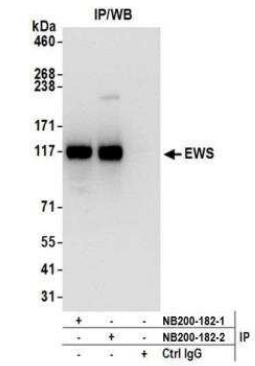
Immunohistochemistry-Paraffin: EWSR1 Antibody [NB200-182] - Detection of human EWS by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-EWS (NB200-182). Detection: DAB



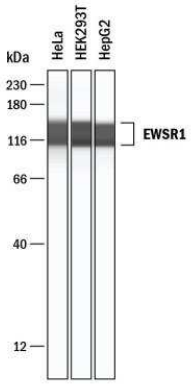
Western Blot: EWSR1 Antibody [NB200-182] - Detection of human and mouse EWS by western blot. Samples: Whole cell lysate (5 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-EWS antibody NB200-182 used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.

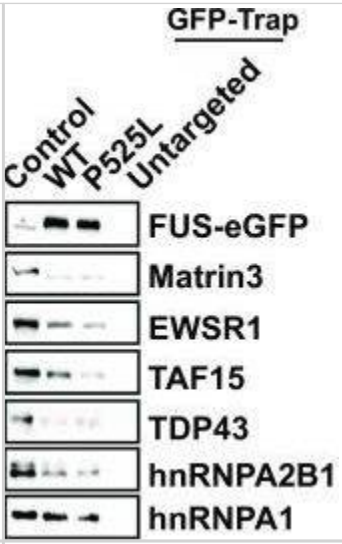
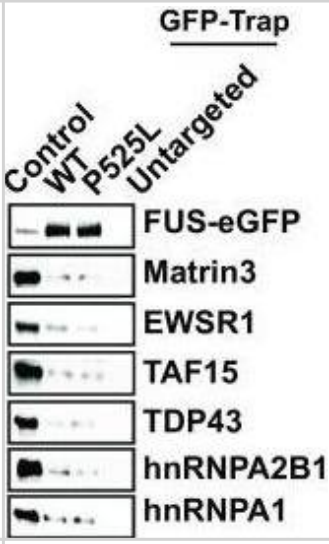
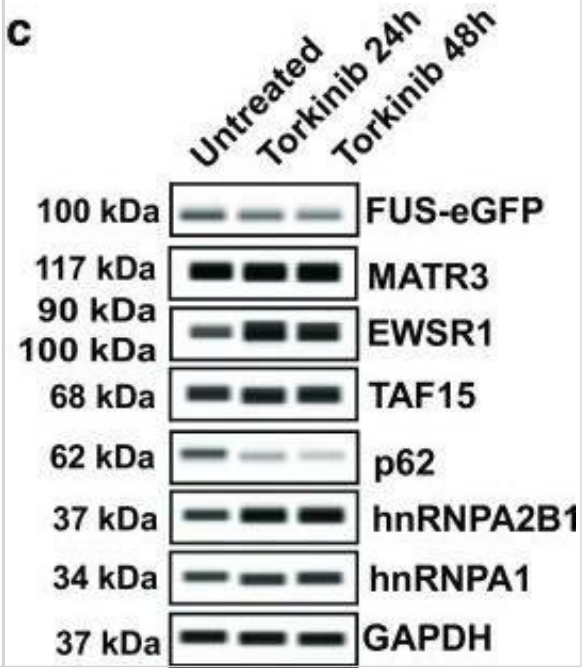


Immunoprecipitation: EWSR1 Antibody [NB200-182] - Detection of human EWS by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-EWS antibody NB200-182 (lot NB200-182-2) used for IP at 3 ug per reaction. EWS was also immunoprecipitated by a previous lot of this antibody (lot NB200-182-1). For blotting immunoprecipitated EWS, NB200-182 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



Simple Western: EWSR1 Antibody [NB200-182] - Simple Western lane view shows HeLa, HEK293T, and HepG2 whole cell lysate (WCL). A specific band was detected for EWSR1 antibody (NBP1-49701) at approximately 116-140 kDa (as indicated) using 10 ug/mL of EWSR1 antibody. This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



The cytoplasmic mislocalization induced by P525L causes reduced FUS binding to several ALS-associated RBPs, promoting aggregation. a, b Western blot analysis of FUS protein interactors in a LL & b SL neurons after FUS-eGFP immunoprecipitation reveals differential interactions with several ALS-associated partners. n = 4. Error bars indicate SEM. *, **, & *** Correspond to p < 0.05, 0.01, & 0.001, respectively. c In vitro phase separation assay showing fibrillization of purified P525L LL FUS-eGFP protein in the presence or absence of distinct RBPs. Investigated RBPs effectively prevent FUS fibril formation. d Fluorescence recovery after photobleaching (FRAP) was used to assess the dynamics of P525L LL FUS at the tested conditions for the indicated time points. RBPs promote the maintenance of a liquid-like behavior. e Co-localization of P525L LL FUS with the reported RBPs. Scale bar 5 µm Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/30937520), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	
The cytoplasmic mislocalization induced by P525L causes reduced FUS binding to several ALS-associated RBPs, promoting aggregation. a, b Western blot analysis of FUS protein interactors in a LL & b SL neurons after FUS-eGFP immunoprecipitation reveals differential interactions with several ALS-associated partners. n = 4. Error bars indicate SEM. *, **, & *** Correspond to p < 0.05, 0.01, & 0.001, respectively. c In vitro phase separation assay showing fibrillization of purified P525L LL FUS-eGFP protein in the presence or absence of distinct RBPs. Investigated RBPs effectively prevent FUS fibril formation. d Fluorescence recovery after photobleaching (FRAP) was used to assess the dynamics of P525L LL FUS at the tested conditions for the indicated time points. RBPs promote the maintenance of a liquid-like behavior. e Co-localization of P525L LL FUS with the reported RBPs. Scale bar 5 µm Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/30937520), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	
Autophagic clearance of aberrantly accumulated cytoplasmic FUS restores protein homeostasis & ameliorates survival of SL P525L iPSC-derived neurons. a Confocal micrographs showing FUS-eGFP distribution before & after Torkinib treatment (above). Arrowhead indicates FUS-eGFP cytoplasmic accumulation in untreated neurites; arrow shows reduced FUS-eGFP cytoplasmic signal following torkinib treatment. Quantification of cytoplasmic FUS-eGFP signal intensity in acquired images (below) confirms clearance of mislocalized FUS-eGFP protein. Scale bar = 10 µm. b FRAP analysis performed on untreated versus torkinib-treated neurons shows comparable dynamics of FUS-eGFP recovery. n = 3. Error bars indicate SEM. CHX = cycloheximide. c WES capillary electrophoresis & d corresponding quantification of the indicated proteins in P525L SL neurons before & after torkinib treatment. Autophagy stimulation restores physiological levels. n = 4. Error bars indicate SEM. * & ** Correspond to p < 0.05 & 0.01, respectively. e 6 h of torkinib reduces apoptotic cell death identified by cleaved Caspase 3 staining. Scale bar = 50 µm Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/30937520), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Publications

Davis IJ, Kim JJ, Ozsolak F et al. Oncogenic MITF dysregulation in clear cell sarcoma: defining the MiT family of human cancers. Cancer Cell 2006-06-01 [PMID: 16766266]

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB200-182

NBL1-10371	EWSR1 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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