

Product Datasheet

RRM1 Antibody - BSA Free

NBP2-49415

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-49415

RRM1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

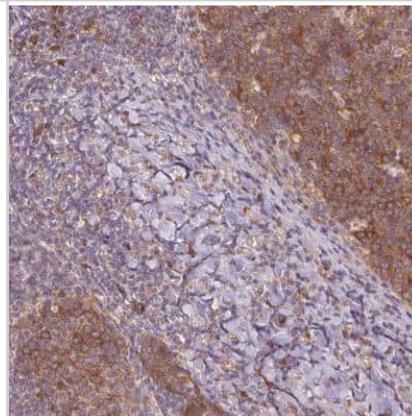
Product Description	
Description	Novus Biologicals Rabbit RRM1 Antibody - BSA Free (NBP2-49415) is a polyclonal antibody validated for use in IHC and WB. Anti-RRM1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6240
Gene Symbol	RRM1
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: DKITSRIQKLCYGLNMDFVDPAQITMKVIQGLYSGVTTVELDTLAAETAATLTTK HPDYAILAARIAVSNLHKETKKVFSDVMEDLYNYINPHNGKHSPMVAKSTLDIVL ANKDR

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

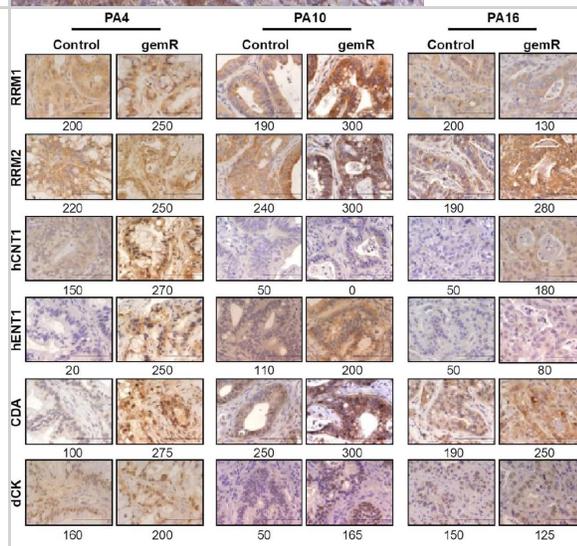


Images

Immunohistochemistry-Paraffin: RRM1 Antibody [NBP2-49415] - Staining of human tonsil shows cytoplasmic positivity in germinal center.



PDAC PDX models of acquired gemcitabine resistance harbored changes in expression of some gemcitabine transporters & metabolizing enzymes. Tumor tissue harvested on days 190, 120, & 179 for PA4.gemR, PA10.gemR & PA16.gemR, respectively, was immunostained for RRM1, RRM2, hCNT1, hENT1, CDA, & dCK. Tumor tissue harvested from control mice bearing gemcitabine-naïve PA4, PA10 or PA16 tumors served as controls for IHC staining experiments. Scale bar = 10 μ m. Quantitation of IHC data in A is shown as expression indices below each photomicrograph (A); protein expression in gemR models that were developed by exposure to drug in vivo, compared to their respective parent tumor models. Each protein has been reported to be associated with gemcitabine resistance in models developed in vitro. ND: no difference between gemcitabine-naïve control & gemR tumors. Values in the Table were calculated by dividing the EI of each protein determined by IHC expressed by gemR/parent (control) tumors. A change of > 1.5-fold was interpreted as a real increase or decrease (B). PDAC: pancreatic ductal adenocarcinoma; PDX: patient-derived xenograft; gemR: gemcitabine resistance; IHC: immunohistochemistry Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/33073205>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Miller, A L, Garcia, P L Et al. Development of gemcitabine-resistant patient-derived xenograft models of pancreatic ductal adenocarcinoma. *Cancer Drug Resist* 2020-10-20 [PMID: 33073205] (WB, Mouse)



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Products Related to NBP2-49415

NBP2-49415PEP	RRM1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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