

# Product Datasheet

## hnRNP H2 Antibody - BSA Free NBP1-89816

Unit Size: 100 ul

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

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 1

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**NBP1-89816**

hnRNP H2 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

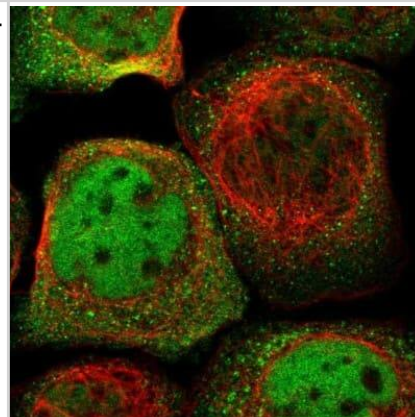
Product Description	
<b>Description</b>	Novus Biologicals Rabbit hnRNP H2 Antibody - BSA Free (NBP1-89816) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-hnRNP H2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3188
<b>Gene Symbol</b>	HNRNPH2
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: FIYTREGRPSGEAFVELESEEEVKLALKKDRETMGHRYVEVFKSNSVEMDWVL KHTGPNSPDTANDGFVRLRGLPFGCSKEEIVQFFSGLIIVPNGMTLPVDFQGR STGEAFVQFAS

Product Application Details	
<b>Applications</b>	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Simple Western 1:10-1:250, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in Mouse brain lysate, separated by Size, antibody dilution of 1:10, 1:50, 1:250, apparent MW was 56 kDa

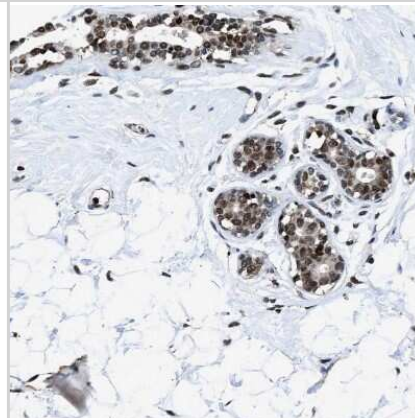


**Images**

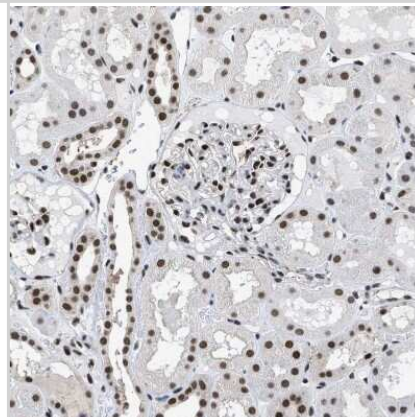
Immunocytochemistry/Immunofluorescence: hnRNP H2 Antibody [NBP1-89816] - Immunofluorescent staining of human cell line A-431 shows localization to nucleoplasm & cytosol.



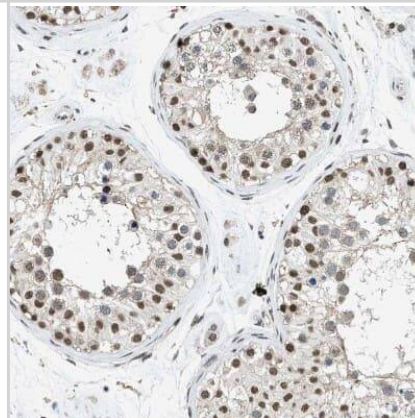
Immunohistochemistry-Paraffin: hnRNP H2 Antibody [NBP1-89816] - Staining of human breast shows nuclear positivity in glandular cells.



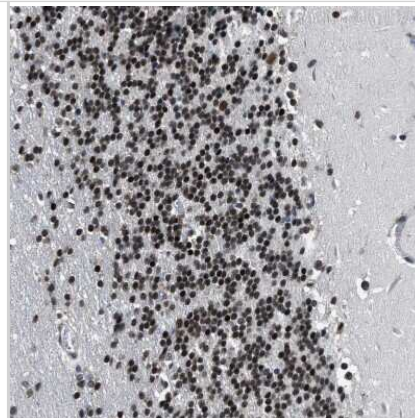
Immunohistochemistry-Paraffin: hnRNP H2 Antibody [NBP1-89816] - Staining of human kidney shows nuclear positivity.



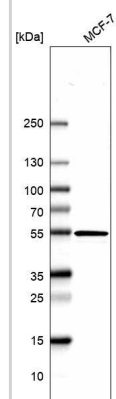
Immunohistochemistry-Paraffin: hnRNP H2 Antibody [NBP1-89816] - Staining of human testis shows nuclear positivity.



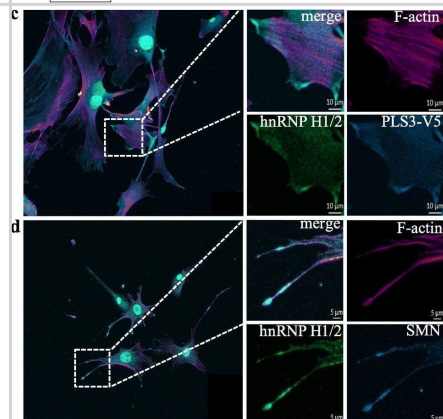
Immunohistochemistry-Paraffin: hnRNP H2 Antibody [NBP1-89816] - Staining of human cerebellum shows nuclear positivity in cells in granular layer.



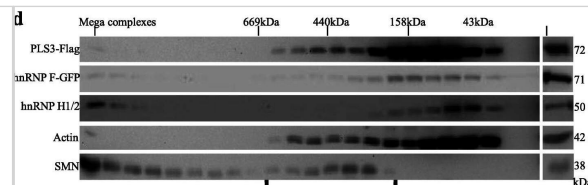
Analysis in human cell line MCF-7.



nbp1-89816\_rabbit-polyclonal-hnrnp-h2-antibody-20920231742121.jpg

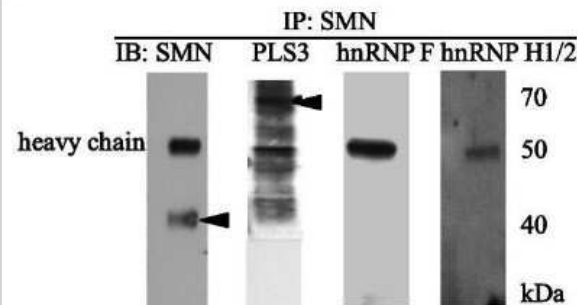


SMN, PLS3, hnRNP F, & hnRNP H1/2 associate in a large complex. a SMN & PLS3 independently associated with hnRNP H1/2 based on co-immunoprecipitation from HEK293T cells transfected with tagged proteins. b Endogenous PLS3, hnRNP F, & hnRNP H 1/2 associated with SMN in mouse brain extracts, based on immunoprecipitation with antisera against endogenous SMN protein. Arrowheads indicate the band of interest in blots with multiple bands. Heavy & light chain bands are labeled when present. c Endogenous SMN, hnRNP F, & hnRNP H1/2 associated with endogenous PLS3 using the same approach outlined in b. Arrowheads indicate the band of interest in blots with multiple bands. Heavy & light chain bands are labeled when present. IP on endogenous mouse brain extract was done from 3 independent brain extractions & preparations. d Size fractionation studies of whole cell lysates from HEK293T cells showed that actin, SMN, PLS3, & hnRNP F and/or H1/2 proteins co-fractionate in complexes of the indicated size (bracket), although the bulk of hnRNP F/H1/2 protein is in other smaller complexes. HEK293T cells were transfected with PLS3-Flag, & hnRNP F-GFP, endogenous hnRNP H1/2, actin, & SMN were detected using antisera Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32938453>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



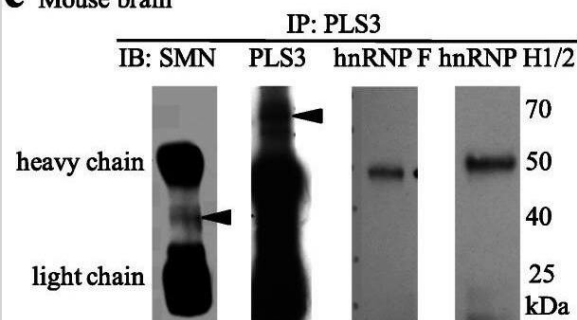
hnRNP-H2-Antibody-Western-Blot-NBP1-89816-img0012.jpg

### b Mouse brain



SMN, PLS3, hnRNP F, & hnRNP H1/2 associate in a large complex. a SMN & PLS3 independently associated with hnRNP H1/2 based on co-immunoprecipitation from HEK293T cells transfected with tagged proteins. b Endogenous PLS3, hnRNP F, & hnRNP H 1/2 associated with SMN in mouse brain extracts, based on immunoprecipitation with antisera against endogenous SMN protein. Arrowheads indicate the band of interest in blots with multiple bands. Heavy & light chain bands are labeled when present. c Endogenous SMN, hnRNP F, & hnRNP H1/2 associated with endogenous PLS3 using the same approach outlined in b. Arrowheads indicate the band of interest in blots with multiple bands. Heavy & light chain bands are labeled when present. IP on endogenous mouse brain extract was done from 3 independent brain extractions & preparations. d Size fractionation studies of whole cell lysates from HEK293T cells showed that actin, SMN, PLS3, & hnRNP F and/or H1/2 proteins co-fractionate in complexes of the indicated size (bracket), although the bulk of hnRNP F/H1/2 protein is in other smaller complexes. HEK293T cells were transfected with PLS3-Flag, & hnRNP F-GFP, endogenous hnRNP H1/2, actin, & SMN were detected using antisera Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32938453>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

### c Mouse brain



## Publications

Walsh MB, Janzen E, Wingrove E et al. Genetic modifiers ameliorate endocytic and neuromuscular defects in a model of spinal muscular atrophy BMC biology 2020-09-16 [PMID: 32938453] (WB)





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### **Products Related to NBP1-89816**

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NBP1-89816PEP	hnRNP H2 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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### **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.

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