

# Product Datasheet

## hnRNP F Antibody - BSA Free

### NBP1-57273

Unit Size: 100 ul

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

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**NBP1-57273**

hnRNP F Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<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>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS, 2% Sucrose

**Product Description**

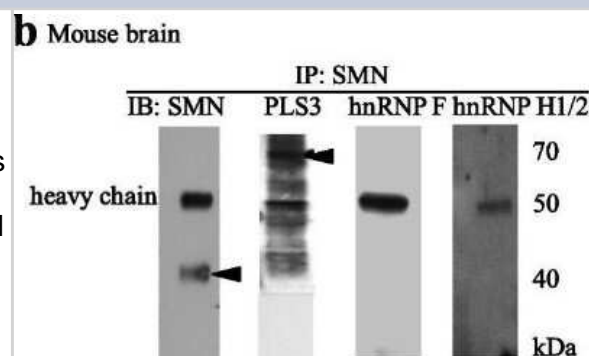
<b>Description</b>	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3185
<b>Gene Symbol</b>	HNRNPF
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported from CiteAb.
<b>Immunogen</b>	Synthetic peptides corresponding to HNRPF (heterogeneous nuclear ribonucleoprotein F) The peptide sequence was selected from the C terminal of HNRPF. Peptide sequence LNSTTGASNGAYSSQVMQGMGVSAQAQATYSGLESQSVSGCYGAGYSGQNS. The peptide sequence for this immunogen was taken from within the described region.

**Product Application Details**

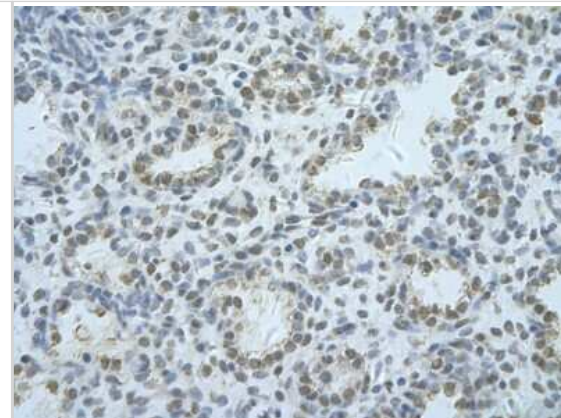
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1.0 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence Validated for Immunocytochemistry/Immunofluorescence from CiteAb, Immunohistochemistry-Paraffin 1:10-1:500

**Images**

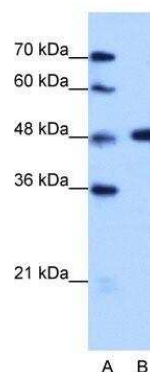
Western Blot: hnRNP F Antibody [NBP1-57273] - Endogenous PLS3, hnRNP F (NBP1-57273), and hnRNP H2 (NBP1-89816) associated with SMN in mouse brain extracts, based on immunoprecipitation with antisera against endogenous SMN protein. Arrowheads indicate the band of interest in blots with multiple bands. Heavy and light chain bands are labeled when present. Image collected and cropped by CiteAb from the following publication (<http://pubmed.ncbi.nlm.nih.gov/32938453/>) licensed under a CC-BY license.



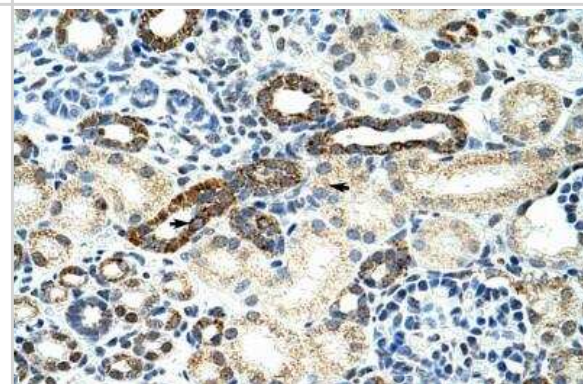
Immunohistochemistry: hnRNP F Antibody [NBP1-57273] - Human alveolar cell Cellular data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X.



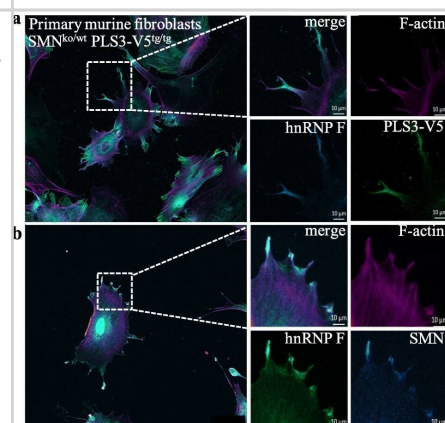
Western Blot: hnRNP F Antibody [NBP1-57273] - HepG2 cell lysate, Antibody Titration: 1.25ug/ml



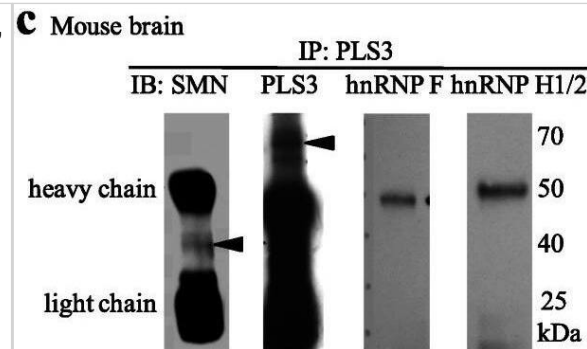
Immunohistochemistry-Paraffin: hnRNP F Antibody [NBP1-57273] - Human kidney Tissue, antibody concentration 4-8ug/ml. Cells with positive label: renal corpuscle cells (indicated with arrows) 400X magnification.



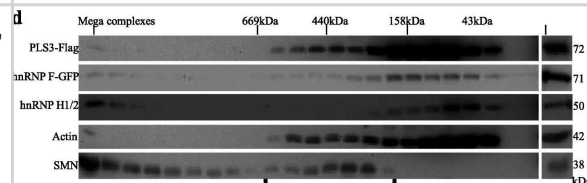
Immunocytochemistry/immunofluorescence: hnRNP F Antibody [NBP1-57273] - hnRNP F localizes with SMN and PLS3 in fibroblasts and motor neuron processes. Murine embryonic fibroblasts' (MEFs) cell cultures were derived from Smn +/-; PLS3V5 tg/tg embryos and stained with V5 for PLS3 transgene; hnRNP-F, and F-actin with phalloidin. a) PLS3V5 localized to the same region as hnRNP F. b) hnRNP F similarly localized with SMN. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32938453/>), licensed under a CC-BY license.



Western Blot: hnRNP F Antibody [NBP1-57273] - 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.



Western Blot: hnRNP F Antibody [NBP1-57273] - 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.



## 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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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00003185-P01-10ug	Recombinant Human hnRNP F GST (N-Term) Protein

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### **Limitations**

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