

# Product Datasheet

## RNF2 Antibody - BSA Free

### NBP1-49966

Unit Size: 100 ul

Store at 4C. Do not freeze.

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



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#### Publications: 2

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**NBP1-49966**

RNF2 Antibody - BSA Free

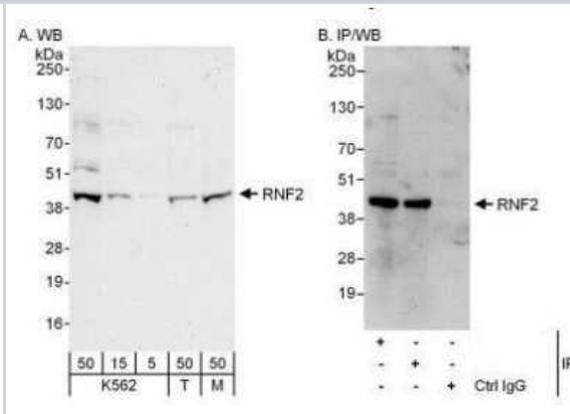
Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

Product Description	
Description	Novus Biologicals Rabbit RNF2 Antibody - BSA Free (NBP1-49966) is a polyclonal antibody validated for use in IHC, WB, IP and ChIP. Anti-RNF2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6045
Gene Symbol	RNF2
Species	Human, Mouse
Immunogen	The immunogen for this product maps to a region between residue 150 and 200 of human Ring Finger Protein 2 using the numbering given in entry NP_009143.1 (GeneID 6045).

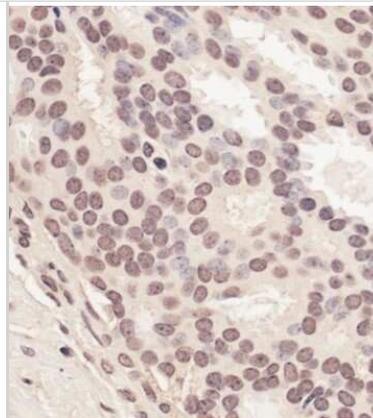
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation Sequencing
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:500 - 1:2000, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:10-1:500, Chromatin Immunoprecipitation Sequencing
Application Notes	Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

**Images**

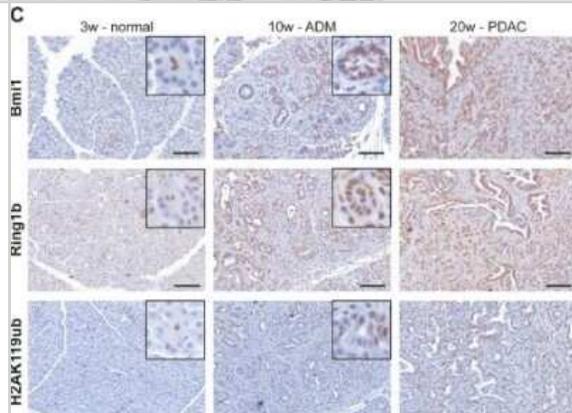
Western Blot: RNF2 Antibody [NBP1-49966] - Detection of Human and Mouse RNF2 by Western Blot (h&m) and Immunoprecipitation (h).  
 Samples: Whole cell lysate from K562 (5, 15 and 50 mcg for WB; 1 mg for IP, 20% of IP loaded), 293T (T; 50 mcg), and mouse NIH3T3 (M; 50 mcg) cells. Antibodies: Affinity purified rabbit anti-RNF2 antibody used for WB at 0.1 mcg/ml (A) and 1 mcg/ml (B) and used for IP at 3 mcg/mg lysate. RNF2 was also immunoprecipitated by rabbit anti-RNF2 antibody, which recognizes a downstream epitope. For blotting immunoprecipitated RNF2 was used. Detection: Chemiluminescence with exposure times of 30 seconds (A and B).



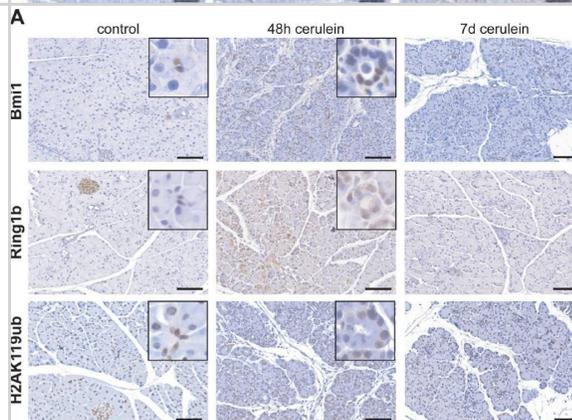
Immunohistochemistry-Paraffin: RNF2 Antibody [NBP1-49966] - Sample: FFPE section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-RNF2 used at a dilution of 1:1,000 (1ug/ml). Detection: Vector ImmPACT NovaRED



Immunohistochemistry: RNF2 Antibody [NBP1-49966] - Epigenetic remodelers were overexpressed in pancreatitis and pancreatic cancer. Immunohistochemistry staining against Bmi1, Ring1b (RNF2) and H2AK119ub of pancreatic tissue from three week old KPC mice representing morphological normal tissue, from ten week old mice showing preinvasive ductal lesions and from 20 week old KPC mice demonstrating full PDAC (n = 5). High magnification images represent nuclear staining of centroacinar cells (3w-normal) or ADMs (10w-ADM). Bar, 100 um. Image collected and cropped by CiteAb from the following publication (<https://www.oncotarget.com/fulltext/6717>), licensed under a CC-BY license.



Immunohistochemistry: RNF2 Antibody [NBP1-49966] - Epigenetic remodelers were overexpressed in pancreatitis & pancreatic cancer (A) Immunohistochemistry staining of Bmi1, Ring1b & H2AK119ub in eight week old control mice, 48 hours & seven days after the last cerulein injection (n = 5). Representative images include boxes with high magnification to demonstrate nuclear staining of centroacinar (control) & ADM (48h) cells. Bar, 100 μm. (B) Positive stained nuclei of Bmi1, Ring1b & H2AK119ub per high power field (HPF) were counted & quantified. Data are presented as mean ± SEM from three pictures of each animal. (C) Immunohistochemistry staining against Bmi1, Ring1b & H2AK119ub of pancreatic tissue from three week old KPC mice representing morphological normal tissue, from ten week old mice showing preinvasive ductal lesions & from 20 week old KPC mice demonstrating full PDAC (n = 5). High magnification images represent nuclear staining of centroacinar cells (3w-normal) or ADMs (10w-ADM). Bar, 100 μm. (D) Positive stained nuclei of Bmi1, Ring1b & H2AK119ub per high power field (HPF) were counted & quantified. Data are presented as mean ± SEM from three pictures of each animal. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/26716510>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Benitz S, Regel I, Reinhard T et al. Polycomb repressor complex 1 promotes gene silencing through H2AK119 mono-ubiquitination in acinar-to-ductal metaplasia and pancreatic cancer cells. *Oncotarget* 2016-03-08 [PMID: 26716510]

Holdt LM, Hoffmann S, Sass K et al. Alu Elements in ANRIL Non-Coding RNA at Chromosome 9p21 Modulate Atherogenic Cell Functions through Trans-Regulation of Gene Networks. *PLoS Genet* 2013-07-01 [PMID: 23861667] (IP, Human)



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### **Products Related to NBP1-49966**

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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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