Product Datasheet

NOP58 Antibody
NBP1-46846

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Publications: 1

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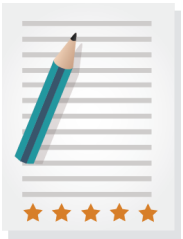
Updated 9/9/2025 v.20.1



NBP1-46846

NOP58 Antibody

Product Information

Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

Product Description

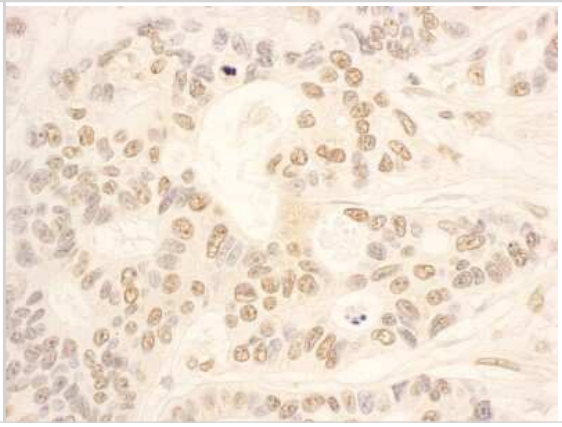
Description	Novus Biologicals Rabbit NOP58 Antibody (NBP1-46846) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-NOP58 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	51602
Gene Symbol	NOP58
Species	Human
Immunogen	The immunogen for this product maps to a region between residue 479 and 529 of human NOP58 ribonucleoprotein homolog using the numbering given in entry NP_057018.1 (GeneID 51602).

Product Application Details

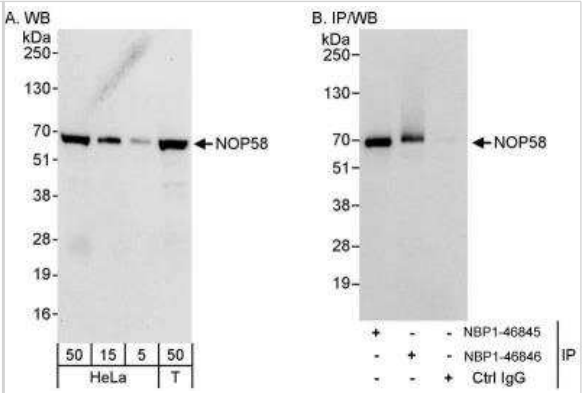
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:200- 1:1000, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:200-1:1000
Application Notes	Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

Images

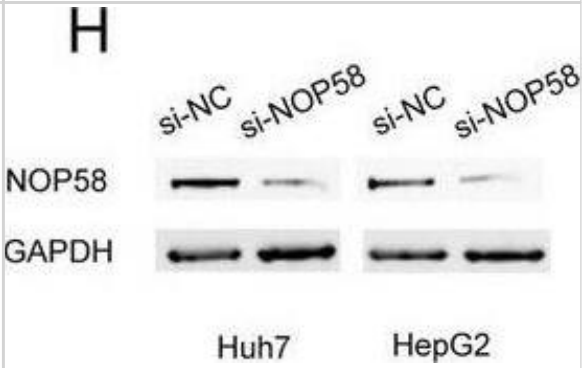
Immunohistochemistry-Paraffin: NOP58 Antibody [NBP1-46846] - Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti- NOP58 used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB



Immunoprecipitation: NOP58 Antibody [NBP1-46846] - Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and 293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-NOP58 antibody NBP1-46846 used for WB at 0.04 ug/ml (A) and 0.4 ug/ml (B) and used for IP at 3 ug/mg lysate. NOP58 was also immunoprecipitated by rabbit anti-NOP58 antibody NBP1-46845, which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 10 seconds (A) and 3 seconds (B).



NOP58 was stabilized by MIR4435-2HG and mediated the pro-tumorigenetic role of MIR4435-2HG in HCC. A The expression of NOP58 mRNA in HCC cells with MIR4435-2HG interference in HCC cells. B The expression of NOP58 protein in HCC cells with MIR4435-2HG overexpressed in HCC cells. C Western blot analysis detected the expression of NOP58 protein in HCC cells with treatment of CHX. D Western blot analysis detected the expression of NOP58 protein in HCC cells with treatment of MG132. E Expression analysis of NOP58 protein in HCC based on CPTAC database. F Representative images of the expression of NOP58 protein in paired tumor and nontumor tissues by IHC. G The relationship between MIR4435-2HG expression and NOP58 expression in 20 HCC samples. H Knockdown of NOP58 by siRNA in HCC cells. I Cellular proliferation of HCC cells was detected by CCK8 assay. J Cellular proliferation of HCC cells was detected by EdU assay. K Colony formation ability of HCC cells was detected. L The spheroids form ability of HCC cells. M Expression of stem cell markers were detected in the indicated groups by qPCR. The data are shown as mean +/- SD. *P < 0.05, **P < 0.01, ***P < 0.001. White scale bar, 100 μm
Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/37891494), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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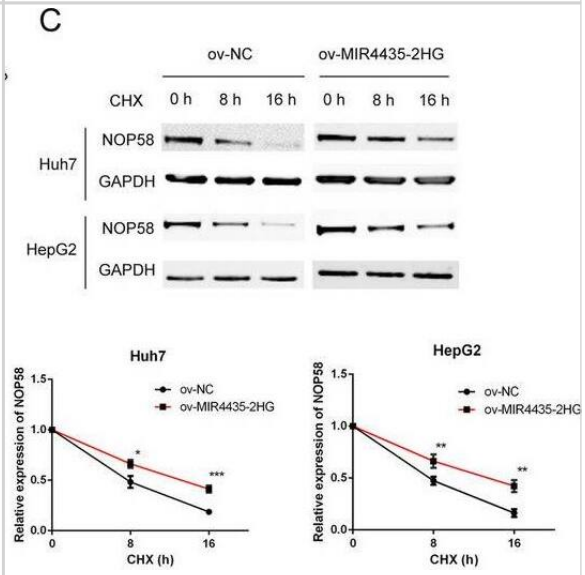
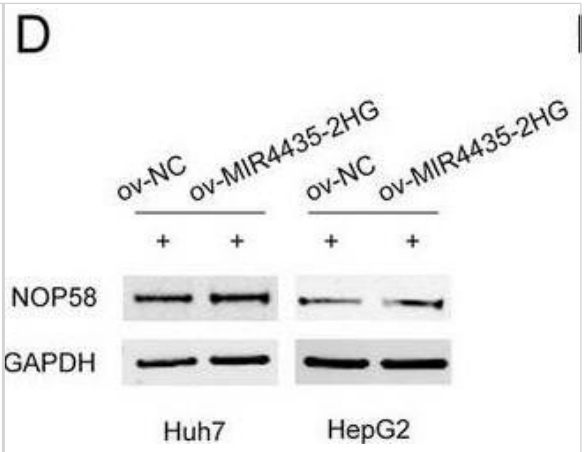
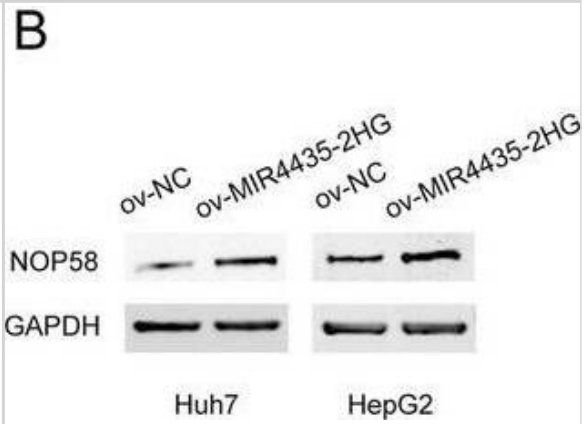


NOP58 was stabilized by MIR4435-2HG and mediated the pro-tumorigenetic role of MIR4435-2HG in HCC. A The expression of NOP58 mRNA in HCC cells with MIR4435-2HG interference in HCC cells. B The expression of NOP58 protein in HCC cells with MIR4435-2HG overexpressed in HCC cells. C Western blot analysis detected the expression of NOP58 protein in HCC cells with treatment of CHX. D Western blot analysis detected the expression of NOP58 protein in HCC cells with treatment of MG132. E Expression analysis of NOP58 protein in HCC based on CPTAC database. F Representative images of the expression of NOP58 protein in paired tumor and nontumor tissues by IHC. G The relationship between MIR4435-2HG expression and NOP58 expression in 20 HCC samples. H Knockdown of NOP58 by siRNA in HCC cells. I Cellular proliferation of HCC cells was detected by CCK8 assay. J Cellular proliferation of HCC cells was detected by EdU assay. K Colony formation ability of HCC cells was detected. L The spheroids form ability of HCC cells. M Expression of stem cell markers were detected in the indicated groups by qPCR. The data are shown as mean +/- SD. *P < 0.05, **P < 0.01, ***P < 0.001. White scale bar, 100 μm Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/37891494), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	
NOP58 was stabilized by MIR4435-2HG and mediated the pro-tumorigenetic role of MIR4435-2HG in HCC. A The expression of NOP58 mRNA in HCC cells with MIR4435-2HG interference in HCC cells. B The expression of NOP58 protein in HCC cells with MIR4435-2HG overexpressed in HCC cells. C Western blot analysis detected the expression of NOP58 protein in HCC cells with treatment of CHX. D Western blot analysis detected the expression of NOP58 protein in HCC cells with treatment of MG132. E Expression analysis of NOP58 protein in HCC based on CPTAC database. F Representative images of the expression of NOP58 protein in paired tumor and nontumor tissues by IHC. G The relationship between MIR4435-2HG expression and NOP58 expression in 20 HCC samples. H Knockdown of NOP58 by siRNA in HCC cells. I Cellular proliferation of HCC cells was detected by CCK8 assay. J Cellular proliferation of HCC cells was detected by EdU assay. K Colony formation ability of HCC cells was detected. L The spheroids form ability of HCC cells. M Expression of stem cell markers were detected in the indicated groups by qPCR. The data are shown as mean +/- SD. *P < 0.05, **P < 0.01, ***P < 0.001. White scale bar, 100 μm Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/37891494), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Publications

Zhu Y, Xiao B, Liu M et al. N6-methyladenosine-modified oncofetal lncRNA MIR4435-2HG contributed to stemness features of hepatocellular carcinoma cells by regulating rRNA 2'-O methylation Cellular & molecular biology letters 2023-10-27 [PMID: 37891494] (WB, IP, IHC, Human)

Details:
WB Dilution 1:1000 ,IHC Dilution 1:200

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General: novus@novusbio.com

Products Related to NBP1-46846

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

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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