

# Product Datasheet

## OS9 Antibody - BSA Free NB100-519

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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### Publications: 7

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**NB100-519**

OS9 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

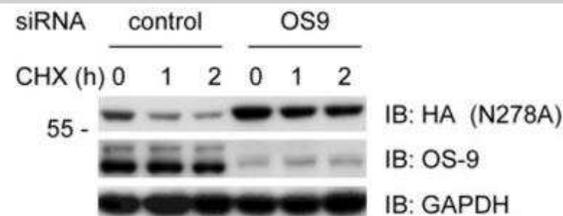
Product Description	
Description	Novus Biologicals Rabbit OS9 Antibody - BSA Free (NB100-519) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-OS9 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10956
Gene Symbol	OS9
Species	Human, Mouse
Specificity/Sensitivity	This is specific for isoforms 1 and 2 of human OS-9.
Immunogen	Synthetic peptide made to an internal portion of isoform 1 of the human OS9 protein (within residues 300-400). [Swiss-Prot# Q13438]

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 0.2-1.0 ug/ml, Immunohistochemistry 0.5-1.0 ug/ml, Immunocytochemistry/ Immunofluorescence 0.2-1.0 ug/ml, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:100-1:250, Knockdown Validated
Application Notes	In WB, bands can be seen at ~75 kDa representing isoform 1 and at ~70 kDa representing isoform 2.

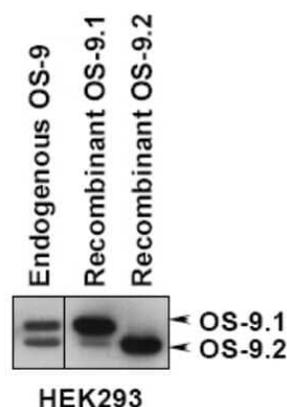


## Images

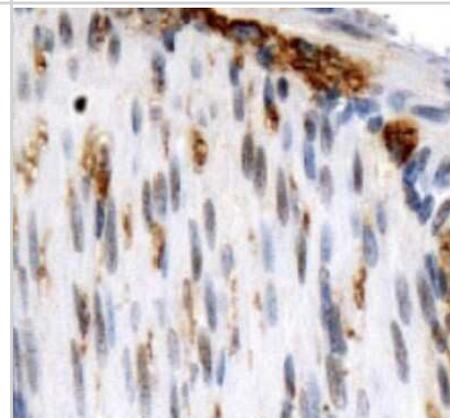
Western Blot: OS9 Antibody [NB100-519] - Contribution and interaction of OS-9 for degradation of SHH proteins. Cells stably expressing the N278A-HA precursor were depleted of OS-9 by siRNA, and the fate of N278A was followed after cycloheximide (CHX) addition. All samples were analyzed by SDS-PAGE and immunoblotting with HA antibodies. Controls were treated with a commercial negative control siRNA. The samples were also immunoblotted for OS-9 to show the extent of depletion. Immunoblotting with GAPDH antibodies served as loading control. Image collected and cropped by CiteAb from the following publication ([//doi.org/10.1371/journal.pone.0092164](https://doi.org/10.1371/journal.pone.0092164)) licensed under a CC-BY license.



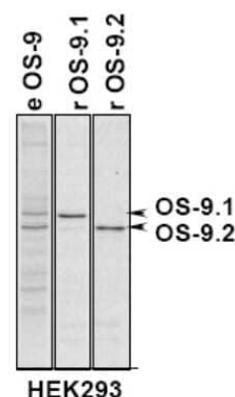
Western Blot: OS9 Antibody [NB100-519] - Detection of OS-9.1 and OS-9.2 in total HEK293 cells, HEK293 cells expressing OS-9.1 or OS-9.2 by western analysis.



Immunohistochemistry: OS9 Antibody [NB100-519] - Staining of OS9 in mouse smooth muscle.



Immunoprecipitation: OS9 Antibody [NB100-519] - Immunoprecipitation of OS-9.1 and OS-9.2 in total HEK293 cells, HEK293 cells expressing OS-9.1 or OS-9.2.



## Publications

Chen S, Yin C, Lao T et al. AMPK-HDAC5 pathway facilitates nuclear accumulation of HIF-1alpha and functional activation of HIF-1 by deacetylating Hsp70 in the cytosol. *Cell Cycle* 2015-08-03 [PMID: 26061431] (WB)

Hofmann S, Fischer A, Nothnagel M et al. Genome-wide association analysis reveals 12q13 3-q14 1 as new risk locus for sarcoidosis. *Eur Respir J* 2013-04-01 [PMID: 22936702]

### Details:

Using the Biotin conjugated version of NB100-519, catalog number NB100-519B.

Koenig Pa, Nicholls Pk, Schmidt Fi et al. The E2 Ubiquitin Conjugating Enzyme UBE2J1 is Required for Spermiogenesis in Mice. *J. Biol. Chem.* 2014-10-15 [PMID: 25320092] (WB, Mouse)

Sun Yw, Chen Yf, Li J et al. A novel long non-coding RnA EnST00000480739 suppresses tumour cell invasion by regulating OS-9 and HIF-1Alpha in pancreatic ductal adenocarcinoma. *Br. J. Cancer.* 2014-10-14 [PMID: 25314054] (WB, IHC-P, Human)

Tang HY, Huang CH, Zhuang YH et al. EDEM2 and OS-9 Are Required for ER-Associated Degradation of Non-Glycosylated Sonic Hedgehog *PLoS ONE.* 2014-06-10 [PMID: 24910992] (WB, Human)

### Details:

OS9 antibody used for WB on Human 293T cells stably expressing N278A-HA precursor that were depleted of OS-9 by siRNA (Figure 6A). Also, SHH-HA or N278A-HA plasmids were co-transfected with either vector, wild type OS-9.2 (WT-OS-9.2), or R188A-OS-9 mutants and HA immunoprecipitants from lysed cells were processed for WB with OS-9 antibody (Figure 6C).

Huang CH, Hsiao HT, Chu YR et al. Derlin2 facilitates HRD1-mediated retro-translocation of sonic hedgehog at the endoplasmic reticulum. *J Biol Chem* 2013-07-18 [PMID: 23867461] (WB, Human)

Bernasconi R, Pertel T, Luban J et al. A dual task for the Xbp1-responsive OS-9 variants in the mammalian endoplasmic reticulum: inhibiting secretion of misfolded protein conformers and enhancing their disposal. *J Biol Chem*;283(24):16446-54. 2008-06-13 [PMID: 18417469] (WB, ICC/IF, IP, Human)





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### **Products Related to NB100-519**

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NBL1-13982	OS9 Overexpression Lysate
NB100-519PEP	OS9 Antibody Blocking Peptide
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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