

# Product Datasheet

## RecA-1 Antibody (HIS52) - BSA Free NB100-64647

Unit Size: 0.1 mg

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

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



[technical@novusbio.com](mailto:technical@novusbio.com)

**Publications: 20**

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**NB100-64647**

RecA-1 Antibody (HIS52) - BSA Free

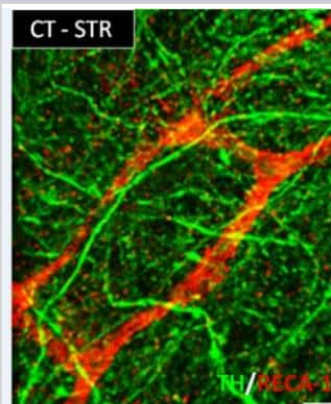
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	HIS52
Preservative	<0.1% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse RecA-1 Antibody (HIS52) - BSA Free (NB100-64647) is a monoclonal antibody validated for use in IHC. Anti-RecA-1 Antibody: Cited in 20 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Rat
Reactivity Notes	Does not react with:Goat, Chicken, Guinea Pig, Sheep, Mouse, Rabbit, Pig
Specificity/Sensitivity	Recognizes RECA-1, a cell surface antigen which is expressed by all rat endothelial cells.
Immunogen	Stromal cells from rat lymph node

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Frozen, Immunofluorescence
Recommended Dilutions	Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Immunofluorescence

**Images**

Immunohistochemistry-Frozen: RecA-1 Antibody (HIS52) [NB100-64647]  
 - Used as a pan-endothelial marker to monitor the effect of CT treatment on the density of blood vessels in striatal explants. [PMID: 20195471]



## Publications

Haddad Y1, Couture R1. Localization and Interaction between Kinin B1 Receptor and NADPH Oxidase in the Vascular System of Diabetic Rats *Front Physiol.* 2017-10-31 [PMID: 29163205] (IHC-Fr, Rat)

Yu J, Li C, Ding Q et al. Netrin-1 Ameliorates Blood-Brain Barrier Impairment Secondary to Ischemic Stroke via the Activation of PI3K Pathway *Front Neurosci.* [PMID: 29311781] (IHC-Fr, Rat)

Miya, M et al. Age-related decline in label-retaining tubular cells: implication for reduced regenerative capacity after injury in the aging kidney. *Am J Physiol Renal Physiol* 302: F694-702. 2012-01-01 [PMID: 22169012]

Jantaratnotai, N et al. Comparison of Vascular Perturbations in an Abeta-Injected Animal Model and in AD Brain. *Int J Alzheimers Dis* 2011: 918280. 2011-01-01 [PMID: 21969915]

Morin-Brureau, M et al. Epileptiform activity induces vascular remodeling and zonula occludens 1 downregulation in organotypic hippocampal cultures: role of VEGF signaling pathways. *J Neurosci* 31: 10677-88. 2011-01-01 [PMID: 21775611]

Hawthorne, AL et al. The unusual response of serotonergic neurons after CNS Injury: lack of axonal dieback and enhanced sprouting within the inhibitory environment of the glial scar. *J Neurosci* 31: 5605-16. 2011-01-01 [PMID: 21490201]

Szmydynger-Chodobska, J et al. Multiple sites of vasopressin synthesis in the injured brain. *J Cereb Blood Flow Metab* 31: 47-51. 2011-01-01 [PMID: 20959854]

Schodel J, Bohr D, Klanke B et al. Factor inhibiting HIF limits the expression of hypoxia-inducible genes in podocytes and distal tubular cells. *Kidney Int.* 2010-01-01 [PMID: 20720525]

Androutsellis-Theotokis, A et al. Angiogenic factors stimulate growth of adult neural stem cells. *PLoS ONE* 5: 1-7. 2010-01-01 [PMID: 20195471]

Benton, RL et al. Transcriptional activation of endothelial cells by TGFbeta coincides with acute microvascular plasticity following focal spinal cord ischaemia/reperfusion injury. *ASN Neuro* 26: 181-194. 2009-01-01 [PMID: 19663807]

March, S et al. Microenvironmental regulation of the sinusoidal endothelial cell phenotype in vitro. *Hepatology* 50: 920-8. 2009-01-01 [PMID: 19585615]

Cattaruzza, F et al. Endothelin-converting enzyme 1 promotes re-sensitization of neurokinin 1 receptor-dependent neurogenic inflammation. *Br J Pharmacol* 156: 730-9. 2009-01-01 [PMID: 19222484]

More publications at <http://www.novusbio.com/NB100-64647>





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-64647**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB100-64647PCP	RecA-1 Antibody (HIS52) [PerCP]

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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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