

# Product Datasheet

## Salmonella Antibody - BSA Free NB600-1087

Unit Size: 0.25 ml

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

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**NB600-1087**

Salmonella Antibody - BSA Free

Product Information	
Unit Size	0.25 ml
Concentration	4.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	0.01 M Phosphate Buffered Saline, pH 7.2

Product Description	
Description	Novus Biologicals Rabbit Salmonella Antibody - BSA Free (NB600-1087) is a polyclonal antibody validated for use in IHC, ELISA and ICC/IF. Anti-Salmonella Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Species	Mouse, Bacteria
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27748732).
Specificity/Sensitivity	This is polyvalent for Salmonella "O" & "H" antigens. Immunocaptures Salmonellae. Antiserum is not absorbed and does react with related Enterobacteriaceae.
Immunogen	Mixture of <i>S. enteritidis</i> , <i>S. typhimurium</i> , and <i>S. heidelberg</i>

Product Application Details	
Applications	Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	ELISA, Immunofluorescence. May be used in place of neat antiserum in almost any appropriate antibody-based technique. Immunocaptures Salmonellae. Optimal dilutions and concentrations should be determined by the end user. Purity is >95% Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID 23732169)



## Publications

Seong H, Kim S, Choi J et al. Synthesis of ultrasmall superparamagnetic iron oxide nanoparticles for magnetic labeling of antibody of pathogenic microbe *Macromolecular Research* 2023-02-01

Guo XK, Wang J, van Hensbergen VP et al. Interactions between host and intestinal crypt-resided biofilms are controlled by epithelial fucosylation *Cell reports* 2023-07-25 [PMID: 37405914] (IHC-P, Bacteria)

Wang DN, Ni JJ, Li JH et al. Bacterial infection promotes tumorigenesis of colorectal cancer via regulating CDC42 acetylation *PLoS pathogens* 2023-02-22 [PMID: 36812247] (IHC, Human)

Ahn YH, Park S, Choi JJ et al. Secreted tryptophanyl-tRNA synthetase as a primary defence system against infection. *Nat Microbiol* 2016-10-17 [PMID: 27748732] (IF/IHC)

Habyarimana F, Swearingen MC, Young GM et al. *Yersinia enterocolitica* inhibits *Salmonella enterica* serovar Typhimurium and *Listeria monocytogenes* cellular uptake. *Infect. Immun.* 2014-01-01 [PMID: 24126528] (ICC/IF, Bacteria)

### Details:

*Salmonella* antibody used for ICC-IF at 1:500 dilution - Infected cells fixed in 4% paraformaldehyde/PBS for 15 min, two protocols explained - one each for labelling the extracellular and intracellular bacteria (see full text for details).

Habyarimana F, Sabag-Daigle A, Ahmer BM. The *sdiA*-regulated gene, *srgE*, encodes a Type 3 secreted effector. *J. Bacteriol.* 2014-04-11 [PMID: 24727228] (ICC/IF, Bacteria)

Marshall JM, Flechtner AD, La Perle KM. Visualization of Extracellular Matrix Components within Sectioned *Salmonella* Biofilms on the Surface of Human Gallstones. *PLoS ONE* 2014-02-19 [PMID: 24551241] (IHC-P)

Gonzalez-Escobedo G, Gunn JS. Gallbladder epithelium as a niche for chronic *Salmonella* carriage. *Infect Immun.* 2013-08-01 [PMID: 23732169] (IHC-P, Bacteria)





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### **Products Related to NB600-1087**

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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
KA0965	Salmonella ELISA Kit (Colorimetric)

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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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