

# Product Datasheet

## MAST3 Antibody - BSA Free

### NBP1-82993

Unit Size: 0.1 ml

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

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



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#### Publications: 2

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**NBP1-82993**

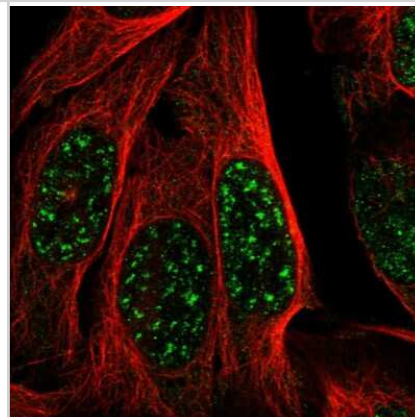
MAST3 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit MAST3 Antibody - BSA Free (NBP1-82993) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-MAST3 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	23031
Gene Symbol	MAST3
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 30449657). Immunogen displays the following percentage of sequence identity for non-tested species: Rat (83%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: PVFILGEPDPPPAATPVMPKPSSLSADTAALSHARLRNSIGARHSTPRPLDAS RGRRLGGPRDPAPEKSR
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot Reported in scientific literature (PMID: 30449657), Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

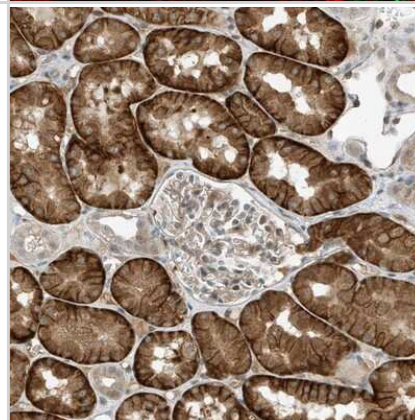


## Images

Immunocytochemistry/Immunofluorescence: MAST3 Antibody [NBP1-82993] - Immunofluorescent staining of human cell line U-2 OS shows localization to nuclear speckles. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: MAST3 Antibody [NBP1-82993] - Staining of human kidney shows strong cytoplasmic and membranous positivity in cells in tubules.



## Publications

Spinelli E, Christensen KR, Bryant E et al. Pathogenic MAST3 Variants in the STK Domain Are Associated with Epilepsy *Annals of neurology* 2021-08-01 [PMID: 34185323]

Tripathy R, Leca I, van Dijk T et al. Mutations in MAST1 Cause Mega-Corpus-Callosum Syndrome with Cerebellar Hypoplasia and Cortical Malformations. *Neuron*. 2018-11-14 [PMID: 30449657] (WB, Mouse)



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### **Products Related to NBP1-82993**

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NBP1-82993PEP	MAST3 Recombinant Protein Antigen
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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