

# Product Datasheet

## Pepsinogen I Antibody (8003 (99/12)) - BSA Free NB100-62239

Unit Size: 0.1 mg

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

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### Publications: 1

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**NB100-62239**

Pepsinogen I Antibody (8003 (99/12)) - BSA Free

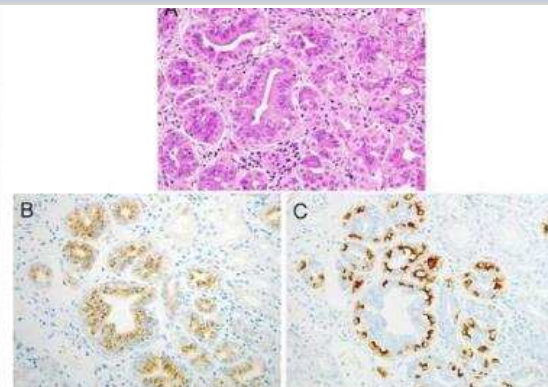
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	8003 (99/12)
Preservative	<0.1% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse Pepsinogen I Antibody (8003 (99/12)) - BSA Free (NB100-62239) is a monoclonal antibody validated for use in IHC and ELISA. Anti-Pepsinogen I Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	643834
Gene Symbol	PGA3
Species	Human
Specificity/Sensitivity	NB100-62239 recognises human Pepsinogen I, a zymogen or proenzyme secreted by Chief cells in the stomach. It is cleaved to form pepsin both in an autocatalytic fashion and by pepsin itself. In humans there are two related forms of pepsin, Pepsinogen I (also known as pepsinogen A), and Pepsinogen II (also known as Pepsinogen B or progastricsin).
Immunogen	Purified human pepsinogen 1

Product Application Details	
Applications	Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, Radioimmunoassay
Recommended Dilutions	ELISA 1:100-1:2000, Immunohistochemistry, Immunohistochemistry-Paraffin, Radioimmunoassay 1:100-1:2000

**Images**

Immunohistochemistry-Paraffin: Pepsinogen I Antibody (8003 (99/12)) [NB100-62239] - Differentiation of pyloric-gland type to fundic glands. (A) HE-stained image, showing proliferation of atypical glands associated with mildly enlarged nuclei. (B) Differentiation into fundic glands (pepsinogen-1). Tumor glands are positive for pepsinogen-1. (C) Differentiation into fundic glands (H,K-ATPase). Similar to pepsinogen-1, H,K-ATPase-positive cells can be seen in tumor glands. From: Mitsuishi T, Hamatani S, Hirooka S, Fukasawa N, Aizawa D, Hara Y, et al. (2017)



## Publications

Yang G Microsatellite instability/mismatch repair deficiency and activation of the Wnt/ beta-catenin signaling pathway in gastric adenocarcinoma of the fundic gland: A case report Medicine 2022-08-26 [PMID: 36042639] (IHC-P, Human)

Details:

Dilution used for IHC 1:200





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### **Products Related to NB100-62239**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-54730PEP	Pepsinogen I Recombinant Protein Antigen

### **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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