

# Product Datasheet

## Gremlin 1 Antibody - BSA Free NB100-56883

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)



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### Publications: 5

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**NB100-56883**

Gremlin 1 Antibody - BSA Free

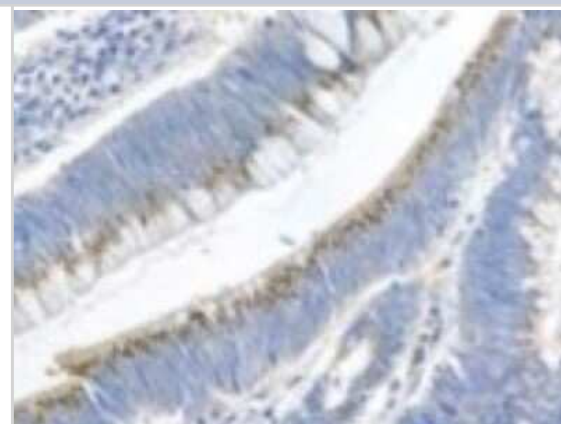
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rabbit Gremlin 1 Antibody - BSA Free (NB100-56883) is a polyclonal antibody validated for use in IHC. Anti-Gremlin 1 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	26585
Gene Symbol	GREM1
Species	Human
Immunogen	A synthetic peptide containing amino acids QPGSRNRGRGQGRGTA (52-67) of human CKTSF1B1 (NM_013372).

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Immunohistochemistry 1:20-1:1000, Immunohistochemistry-Paraffin 2.5-10 ug/ml, Immunohistochemistry-Frozen reported in scientific literature (Namkoong et al (2006))

**Images**

Immunohistochemistry-Paraffin: Gremlin 1 Antibody [NB100-56883] - Detection of Gremlin in human colon cancer tissue using antibody at 5 ug/ml.



## Publications

Okamoto Susumu, Lezhava Alexander, Hosaka Takeshi et al. Enhanced expression of S-adenosylmethionine synthetase causes overproduction of actinorhodin in *Streptomyces coelicolor* A3(2). *J Bacteriol.* 2003-01-01 [PMID: 12511507] (IF/IHC)

Namkoong H, Shin SM, Kim HK et al. The bone morphogenetic protein antagonist gremlin 1 is overexpressed in human cancers and interacts with YWHAH protein. *BMC Cancer.* 2006-03-18 [PMID: 16545136] (IHC-P, IF/IHC)

### Details:

IHC (cryosections), Figs 2E-I: human normal muscle, leiomyosarcoma IHC (cryosections), Figs 2E-I: human normal muscle, leiomyosarcoma, normal colon tissue, colon cancer, pancreatic cancer, respectively Thy-1 is expressed in myofibroblasts but not found in hepat

Dudas J, Mansuroglu T, Batusic D, Ramadori G. Thy-1 is expressed in myofibroblasts but not found in hepatic stellate cells following liver injury. *Histochem Cell Biol.* 2009-01-01 [PMID: 18797914]

Sneddon JB, Zhen HH, Montgomery K et al. Bone morphogenetic protein antagonist gremlin 1 is widely expressed by cancer-associated stromal cells and can promote tumor cell proliferation. *Proc Natl Acad Sci U S A.* 2006-10-03 [PMID: 17003113] (IHC-P, Human)

### Details:

IHC (paraffin), Fig 2: human normal and tumor skin.

Krampert M, Heldin CH, Heuchel RL. A gain-of-function mutation in the PDGFR-beta alters the kinetics of injury response in liver and skin. *Lab Invest.* 2008-11-01 [PMID: 18762776]





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### **Products Related to NB100-56883**

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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
NB100-56883PEP	Gremlin 1 Antibody Blocking Peptide

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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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