

# Product Datasheet

## S100A4 Antibody NB100-55404

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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

### Publications: 4

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**NB100-55404**

S100A4 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	12 kDa

Product Description	
Host	Goat
Gene ID	6275
Gene Symbol	S100A4
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 31024074).
Specificity/Sensitivity	Both variants (NP_002952.1; NP_062427.1) represent identical protein.
Immunogen	Peptide with sequence CNEFFEGFPDKQP corresponding to C-Terminus according to NP_062427.1.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.05-0.2 ug/ml, Immunohistochemistry 1-2 ug/ml, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1-2 ug/ml, Peptide ELISA Detection limit 1:128000
Application Notes	WB: Approx. 13 kDa band observed in human placenta lysates (calculated MW of 11.7 kDa band according to NP_002952.1 and NP_062427.1). IHC-P: Human small intestine shows strong nuclear staining in some cells and weaker cytoplasm staining in some other cells. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 31024074).

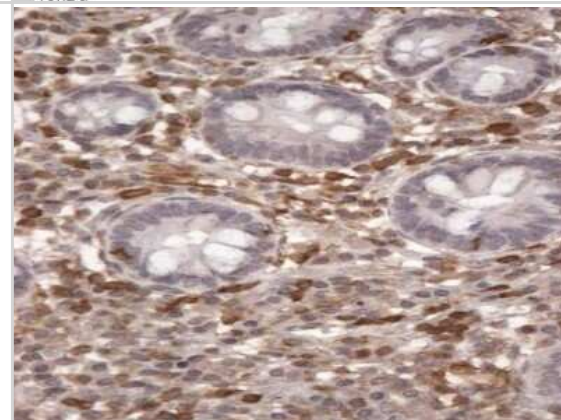


## Images

Western Blot: S100A4 Antibody [NB100-55404] - (0.05ug/ml) staining of Peripheral blood mononuclear cells lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa  
10kDa

Immunohistochemistry-Paraffin: S100A4 Antibody [NB100-55404] - (2ug/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



## Publications

Ye Y, Xu L, Ding H et al. Pyruvate kinase M2 mediates fibroblast proliferation to promote tubular epithelial cell survival in acute kidney injury FASEB journal : official publication of the Federation of American Societies for Experimental Biology 2021-07-01 [PMID: 34160104]

Gui, Y;Lu, Q;Gu, M;Wang, M;Liang, Y;Zhu, X;Xue, X;Sun, X;He, W;Yang, J;Zhao, AZ;Xiao, B;Dai, C; Fibroblast mTOR/PPAR gamma/HGF axis protects against tubular cell death and acute kidney injury Cell Death Differ. 2019-04-25 [PMID: 31024074] (ICC/IF, Mouse)

Li ZH, Bresnick AR. The S100A4 metastasis factor regulates cellular motility via a direct interaction with myosin-IIA. Cancer Res 2006-05-15 [PMID: 16707441]

Jiang L, Xu L, Mao J et al. Rheb/mTORC1 Signaling Promotes Kidney Fibroblast Activation and Fibrosis. J Am Soc Nephrol 2013-05-09 [PMID: 23661807]



### **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](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-55404**

NB820-59248	Human Placenta Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

### **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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