

# Product Datasheet

## SIX1 Antibody - BSA Free NBP1-84264

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)



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

### Publications: 18

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-84264](http://www.novusbio.com/NBP1-84264)

Updated 3/4/2026 v.20.1

### Earn rewards for product reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP1-84264](http://www.novusbio.com/reviews/destination/NBP1-84264)



**NBP1-84264**

SIX1 Antibody - BSA Free

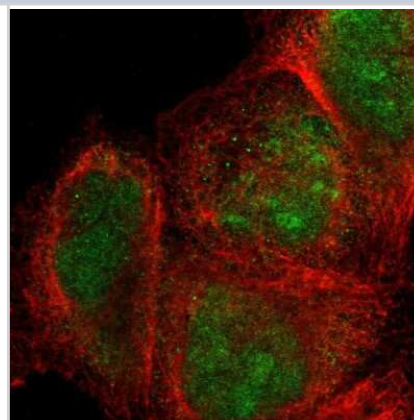
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	6495
<b>Gene Symbol</b>	SIX1
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Use in Mouse reported in scientific literature (PMID:24852826).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: CFKEKSRGVLREWYAHNPYPSPREKRELAETGLTTTQVSNWFKNRRQRDRA AEAKERENTENNNSSSNKQNQLSPLEGGKPLMSSEEEFSPPPQSPDQNSVLL LQGNMGHARSSNYSPLGLTASQPSHGLQTHQHQLQDS

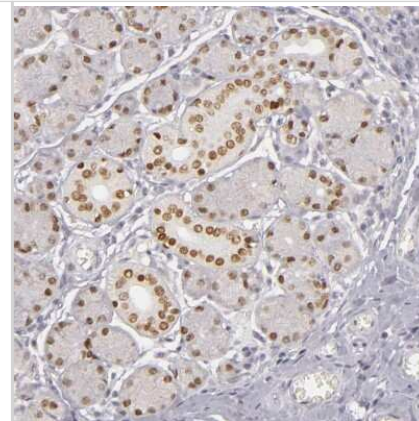
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.04 - 0.4 ug/ml, Chromatin Immunoprecipitation Reported in scientific literature (PMID: 24852826), Immunohistochemistry 1:500-1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500-1:1000, Knockdown Validated
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

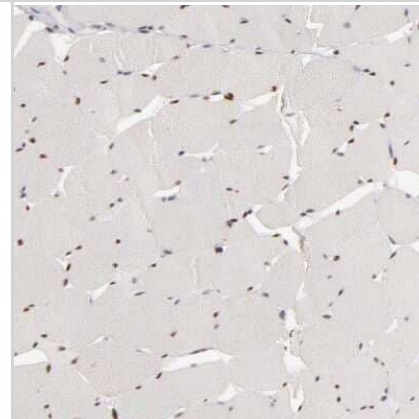
Immunocytochemistry/Immunofluorescence: SIX1 Antibody [NBP1-84264] - Staining of human cell line A-431 shows localization to nucleus & nucleoli. Antibody staining is shown in green.



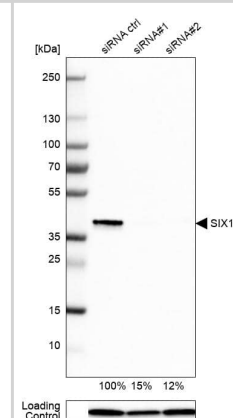
Immunohistochemistry-Paraffin: SIX1 Antibody [NBP1-84264] - Staining of human salivary gland shows moderate to strong nuclear positivity in glandular cells.



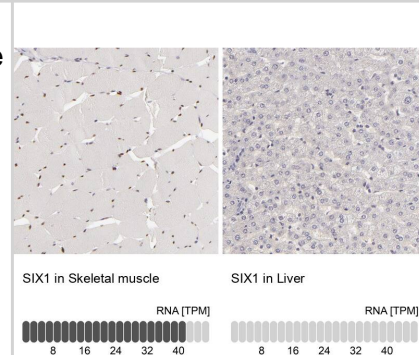
Immunohistochemistry-Paraffin: SIX1 Antibody [NBP1-84264] - Staining of human skeletal muscle shows strong nuclear positivity in striated muscle fibers.



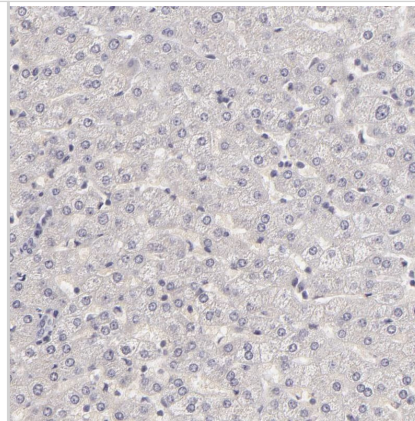
Analysis in Rh30 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-SIX1 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



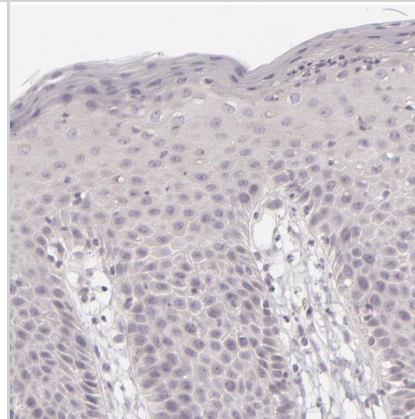
Analysis in human skeletal muscle and liver tissues using HPA001893 antibody. Corresponding SIX1 RNA-seq data are presented for the same tissues.



Staining of human liver shows no nuclear positivity in hepatocytes as expected.



Staining of human skin shows no nuclear positivity in squamous epithelial cells as expected.



## Publications

C Wilson, TC Mertens, P Shivshanka, W Bi, SD Collum, N Wareing, J Ko, T Weng, RP Naikawadi, PJ Wolters, P Maire, SS Jyothula, RA Thandavara, D Ren, ND Elrod, EJ Wagner, HJ Huang, BF Dickey, HL Ford, H Karmouty-Q Sine oculis homeobox homolog 1 (Six1) plays a critical role in pulmonary fibrosis JCI Insight, 2022-05-23;0(0):. 2022-05-23 [PMID: 35420997]

Min WP, Wei XF Nervilifordin F alleviates intestinal ischemia/reperfusion-induced acute lung injury via inhibiting inflammasome and mTOR pathway Auris Nasus Larynx 2020-10-08 [PMID: 33077306] (IHC-P, Human)

Nagel Stefan, Meyer Corinna, Kaufmann Maren et al. Aberrant expression of homeobox gene SIX1 in Hodgkin lymphoma. Oncotarget 2015-01-01 [PMID: 26473286] (WB, Human)

Christina G. Towers, Anna L. Guarnieri, Doug S. Micalizzi et al. The Six1 oncoprotein downregulates p53 via concomitant regulation of RPL26 and microRNA-27a-3p. Nature Communications 2015-01-01 [PMID: 26687066] (WB, Human)

I Adrados, J Larrasa-Alonso, A Galarreta et al. The homeoprotein SIX1 controls cellular senescence through the regulation of p16INK4A and differentiation-related genes. Oncogene 2015-10-26 [PMID: 26500063] (ICC/IF, Human)

Kong J, Zhou X, Liu S et al. Overexpression of sineoculis homeobox homolog 1 predicts poor prognosis of hepatocellular carcinoma. Int J Clin Exp Pathol 2014-01-01 [PMID: 25031720] (WB, ICC/IF, Human)

Sakakibara I, Santolini M, Ferry A et al. Six homeoproteins and a linc-RNA at the fast MYH locus lock fast myofiber terminal phenotype. PLoS Genet 2014-05-01 [PMID: 24852826] (Chemotaxis, WB, Mouse)

Koehler KR, Hashino E. 3D mouse embryonic stem cell culture for generating inner ear organoids. Nat Protoc 2014-06-01 [PMID: 24784820] (IF/IHC)

Jefferson WN, Chevalier DM, Phelps JY et al. Persistently Altered Epigenetic Marks in the Mouse Uterus After Neonatal Estrogen Exposure. Mol Endocrinol 2013-10-01 [PMID: 24002655] (IF/IHC, Human)

Le Grand F, Grifone R, Mourikis P et al. Six1 regulates stem cell repair potential and self-renewal during skeletal muscle regeneration. J Cell Biol 2012-09-03 [PMID: 22945933]

Ono H, Imoto I, Kozaki K et al. SIX1 promotes epithelial-mesenchymal transition in colorectal cancer through ZEB1 activation. Oncogene 2012-11-22 [PMID: 22286765]

Kahlert C, Lerbs T, Pecqueux M et al. Overexpression of SIX1 is an independent prognostic marker in stage I-III colorectal cancer. Int. J. Cancer. 2015-05-06 [PMID: 25951369] (IHC-P, Human)

More publications at <http://www.novusbio.com/NBP1-84264>



### **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  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-84264**

---

NBP1-84264PEP	SIX1 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

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP1-84264](http://www.novusbio.com/reviews/submit/NBP1-84264)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

