

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



technical@novusbio.com

Publications: 18

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

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP1-84264



NBP1-84264

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

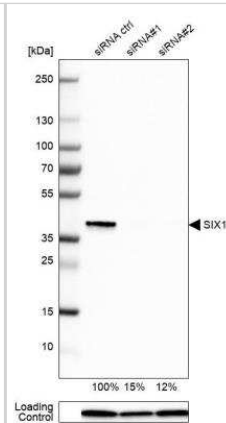
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Chromatin Immunoprecipitation Reported in scientific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

Images

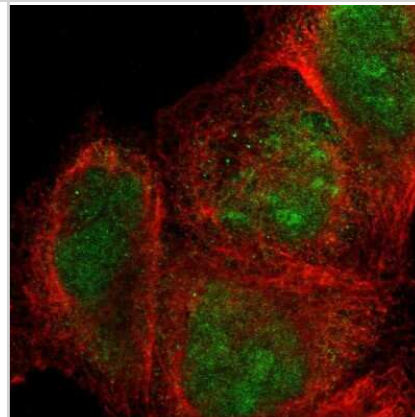
Immunohistochemistry-Paraffin: SIX1 Antibody [NBP1-84264] - Staining in human skeletal muscle and liver tissues . Corresponding SIX1 RNA-seq data are presented for the same tissues.



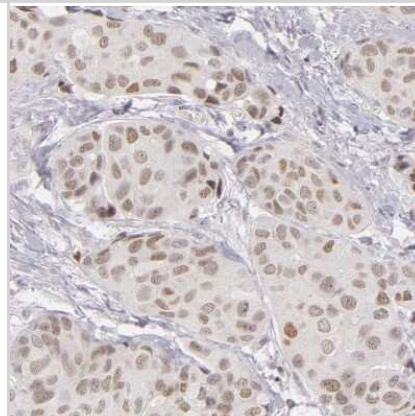
Western Blot: SIX1 Antibody [NBP1-84264] - Analysis in Rh30 cells transfected with control siRNA, target specific siRNA probe #1 and #2. Remaining relative intensity is presented. Loading control: Anti-PPIB.



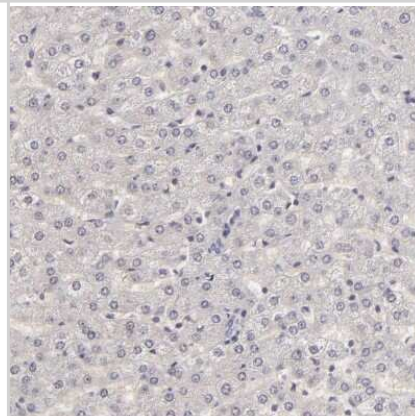
Immunocytochemistry/Immunofluorescence: SIX1 Antibody [NBP1-84264] - Staining of human cell line A-431 shows localization to nucleus & nucleoli. Antibody staining is shown in green.



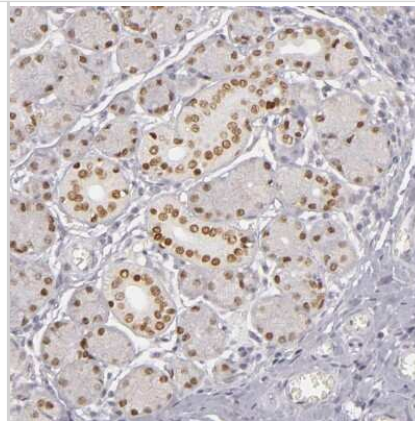
Immunohistochemistry-Paraffin: SIX1 Antibody [NBP1-84264] - Staining of human breast cancer shows weak to moderate nuclear positivity in tumor cells.



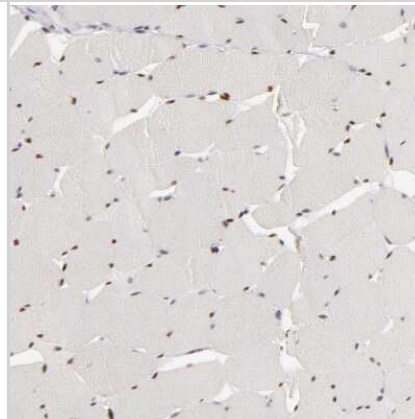
Immunohistochemistry-Paraffin: SIX1 Antibody [NBP1-84264] - Staining of human liver shows no positivity in hepatocytes as expected.



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.



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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-84264

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

