

# Product Datasheet

## SIX4 Antibody - BSA Free NBP1-90110

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)

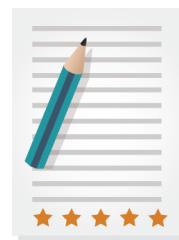
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Updated 9/9/2025 v.20.1

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**NBP1-90110**

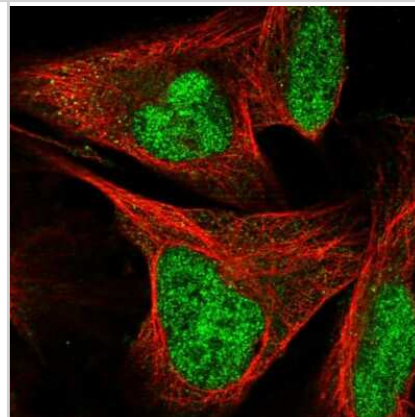
SIX4 Antibody - BSA Free

| 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         |                                                                                                                                                                                          |
| Description                 | Novus Biologicals Rabbit SIX4 Antibody - BSA Free (NBP1-90110) is a polyclonal antibody validated for use in ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                        | Rabbit                                                                                                                                                                                   |
| Gene ID                     | 51804                                                                                                                                                                                    |
| Gene Symbol                 | SIX4                                                                                                                                                                                     |
| Species                     | Human                                                                                                                                                                                    |
| Reactivity Notes            | Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (82%), Rat (85%)                                                                          |
| Immunogen                   | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>DGSTFTSESTTVQQGKVLSSLAPSAVVYTPNTGQTIGSVKQEGLERSLVFS<br>QLMPVNQNAQVNANLSSSENISGSGLHPLASSLVNVSPTH |
| Product Application Details |                                                                                                                                                                                          |
| Applications                | Immunocytochemistry/ Immunofluorescence, Chromatin Immunoprecipitation-exo-Seq                                                                                                           |
| Recommended Dilutions       | Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction                                                                          |
| Application Notes           | ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.                                                                                                                                  |

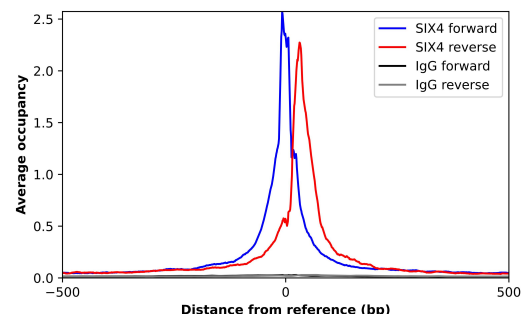


## Images

Immunocytochemistry/Immunofluorescence: SIX homeobox 4 Antibody [NBP1-90110] - Immunofluorescent staining of human cell line U-2 OS shows localization to nucleoplasm.



ChIP-Exo-Seq composite graph for Anti-SIX4 (NBP1-90110) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.





### **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](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

### **Products Related to NBP1-90110**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP1-90110PEP | SIX4 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                          |

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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.

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

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