

Product Datasheet

SP4 Antibody - BSA Free NBP2-31983

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-31983

SP4 Antibody - BSA Free

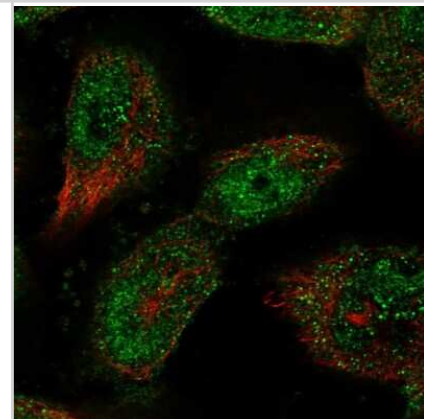
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	6671
Gene Symbol	SP4
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: NQATGQQQIIIDPSQGLVQLQNQPQQLELVTTQLAGNAWQLVASTPPASKENN VSQP

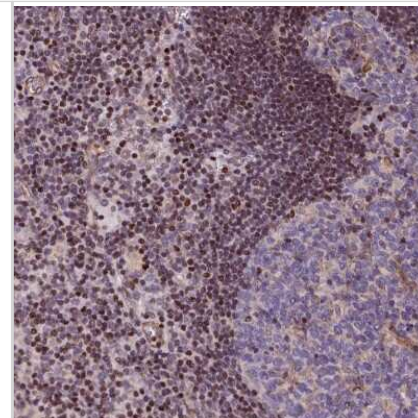
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Chromatin Immunoprecipitation 1-10µg per reaction, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

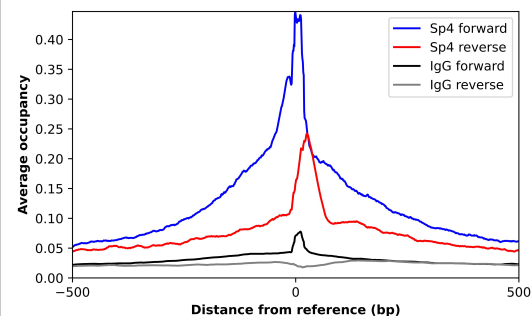
Immunocytochemistry/Immunofluorescence: SP4 Antibody [NBP2-31983] - Staining of human cell line U-251 MG shows localization to nucleoplasm & cytosol.



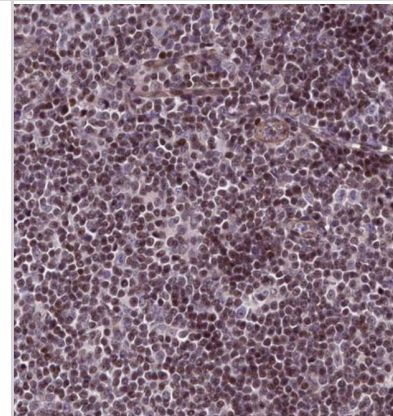
Immunohistochemistry-Paraffin: SP4 Antibody [NBP2-31983] - Staining of human lymph node shows distinct nuclear positivity in non-germinal center cells.



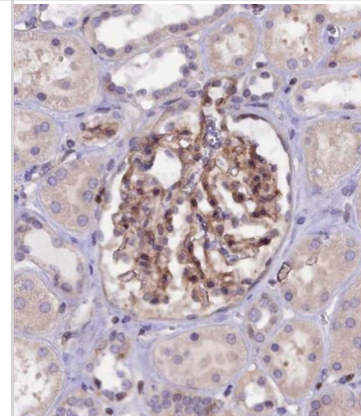
ChIP-Exo-Seq composite graph for Anti-SP4 (NBP2-31983) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment 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.



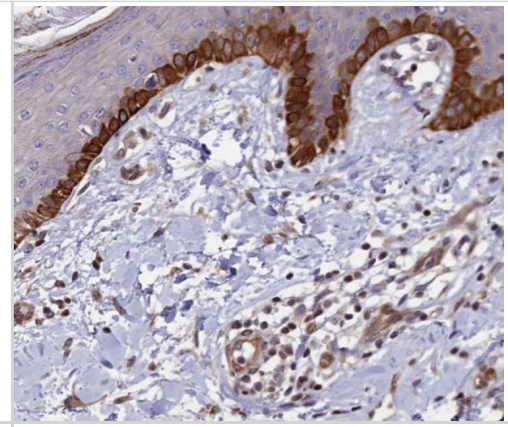
Staining of human tonsil tissue shows moderate nuclear positivity in lymphoid cells.



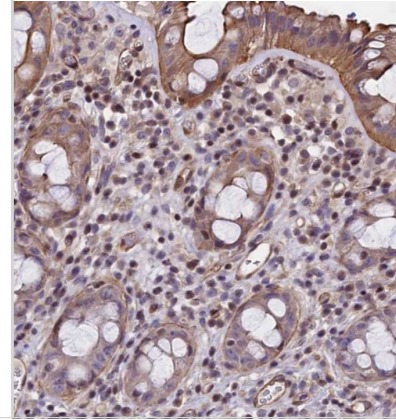
Staining of human kidney shows moderate nuclear positivity in cells in glomeruli with additional cytoplasmic positivity.



Staining of human skin shows strong membranous-cytoplasmic positivity in squamous epithelial cells.



Staining of human rectum shows moderate nuclear positivity in lymphoid cells with additional cytoplasmic positivity in glandular cells.





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Products Related to NBP2-31983

NBP2-31983PEP	SP4 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.

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