

Product Datasheet

ELK3 Antibody - BSA Free NBP1-83960

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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NBP1-83960

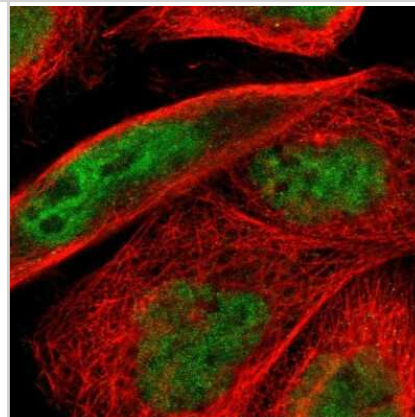
ELK3 Antibody - BSA Free

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	2004
Gene Symbol	ELK3
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: KNIKKVIGQKFVYKFVSFPEILKMDPHAVEISRESLLLQSDCKASPEGREAHK HGLAALRSTSRNEYIHSGLYSSFTINSLQNPPDAFKAIKTEKLEPPEDSPPVEE VRTVIRFVTNKTDKHVTR
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP), Chromatin Immunoprecipitation-exo-Seq
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Chromatin Immunoprecipitation (ChIP) Reported in scientific literature (PMID: 25401928), Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

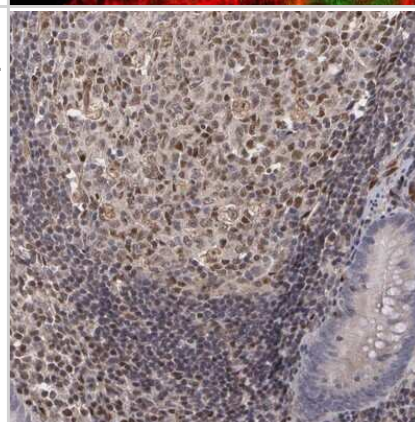


Images

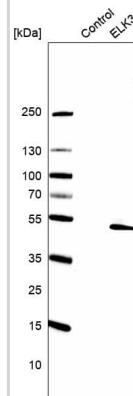
Immunocytochemistry/Immunofluorescence: ELK3 Antibody [NBP1-83960] - Staining of human cell line A-431 shows localization to nucleoplasm. Antibody staining is shown in green.



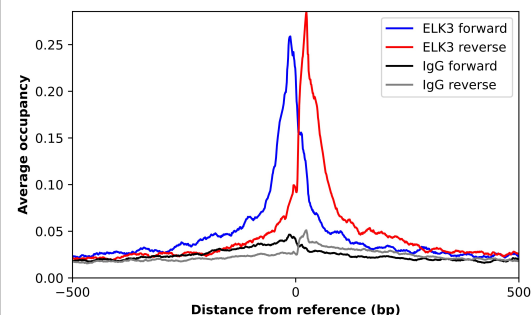
Immunohistochemistry-Paraffin: ELK3 Antibody [NBP1-83960] - Staining of human appendix shows moderate nuclear positivity in lymphoid tissue.



Analysis in control (vector only transfected HEK293T lysate) and ELK3 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).



ChIP-Exo-Seq composite graph for Anti-ELK3 (NBP1-83960) 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.



Publications

Li TZ, Bai CY, Wu B et al. The Elk-3 target Abhd10 ameliorates hepatotoxic injury and fibrosis in alcoholic liver disease Communications biology 2023-07-03 [PMID: 37400491] (ChIP, Human)

Liu N, He J, Fan D et al. Circular RNA circTmem241 drives group III innate lymphoid cell differentiation via initiation of Elk3 transcription Nature communications 2022-08-11 [PMID: 35953472] (WB)

Robertson ED, Wasylyk C, Ye T et al. The Oncogenic MicroRNA Hsa-miR-155-5p Targets the Transcription Factor ELK3 and Links It to the Hypoxia Response. PLoS One 2014-01-01 [PMID: 25401928] (Chemotaxis)





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Products Related to NBP1-83960

NBP1-83960PEP	ELK3 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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