

# Product Datasheet

## ELK3 Antibody (OTI1H3) NBP2-01264

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-01264**

ELK3 Antibody (OT11H3)

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OT11H3
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
<b>Target Molecular Weight</b>	44.1 kDa

**Product Description**

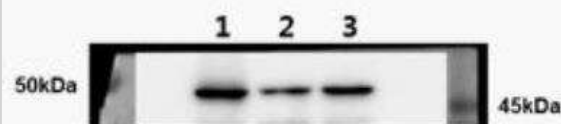
<b>Host</b>	Mouse
<b>Gene ID</b>	2004
<b>Gene Symbol</b>	ELK3
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
<b>Immunogen</b>	Full length human recombinant protein of human ELK3(NP_005221) produced in HEK293T cell.

**Product Application Details**

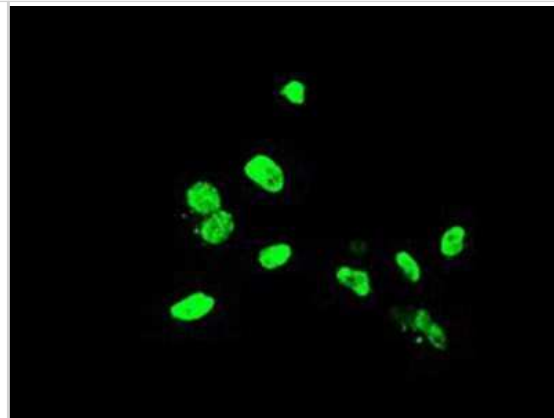
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150

**Images**

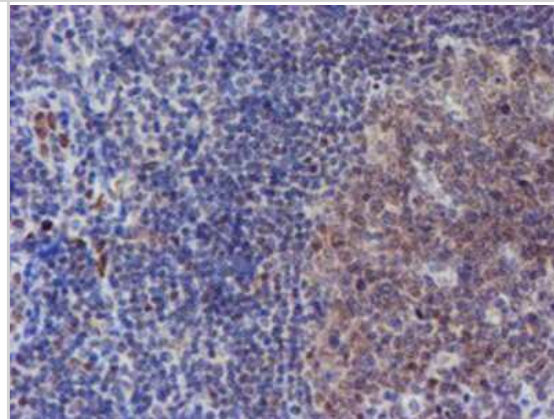
Western Blot: ELK3 Antibody (OT11H3) [NBP2-01264] - Breast cancer cells. Lane 1: MDA-MB231 + Negative control siRNA. Lane 2: MDA-MB231 + siELK3-1. Lane 3: MDA-MB231 + siELK3-2. Image from verified customer review.



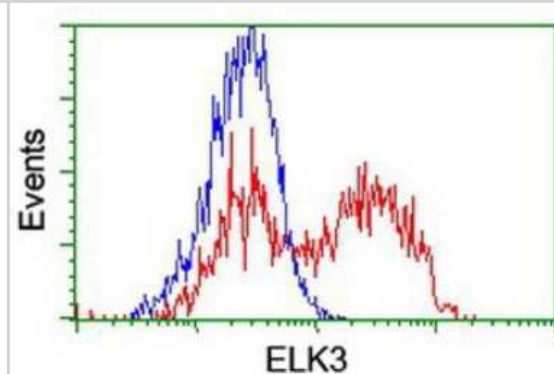
Immunocytochemistry/Immunofluorescence: ELK3 Antibody (1H3) [NBP2-01264] Staining of COS7 cells transiently transfected by pCMV6-ENTRY ELK3.



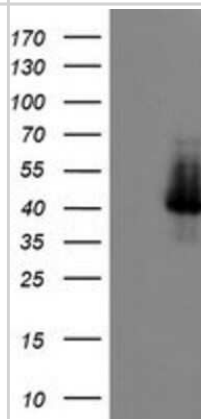
Immunohistochemistry-Paraffin: ELK3 Antibody (1H3) [NBP2-01264] - Staining of paraffin-embedded Human tonsil using anti-ELK3 mouse monoclonal antibody.



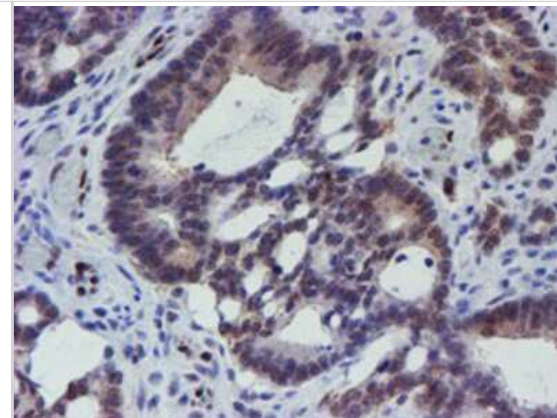
Flow Cytometry: ELK3 Antibody (1H3) [NBP2-01264] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-ELK3 antibody, and then analyzed by flow cytometry.



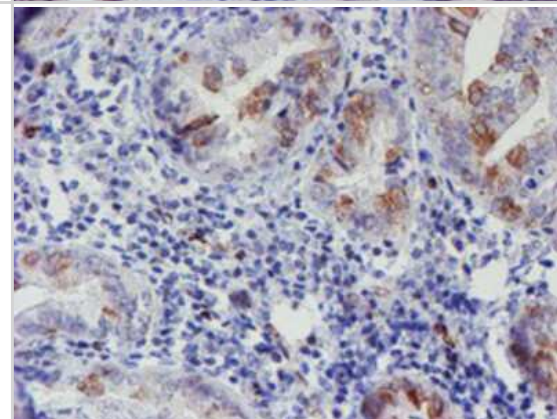
Western Blot: ELK3 Antibody (1H3) [NBP2-01264] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ELK3 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ELK3.



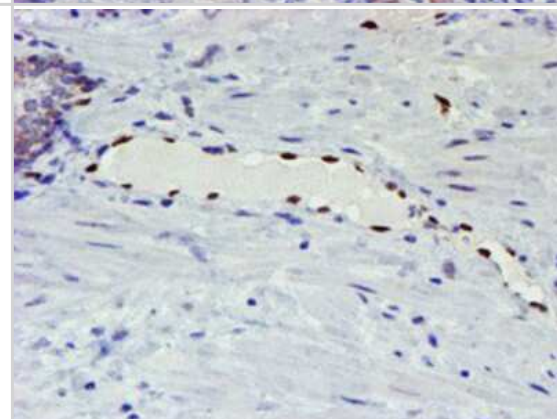
Immunohistochemistry-Paraffin: ELK3 Antibody (1H3) [NBP2-01264] - Staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-ELK3 mouse monoclonal antibody.



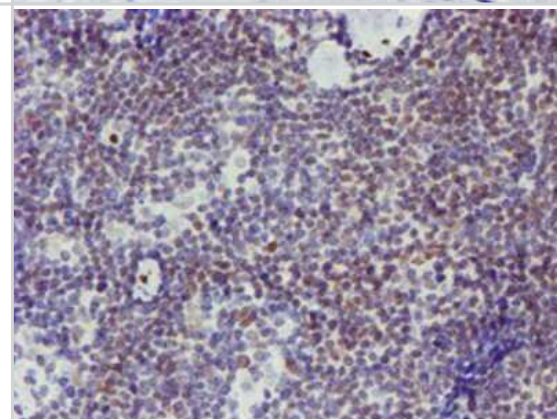
Immunohistochemistry-Paraffin: ELK3 Antibody (1H3) [NBP2-01264] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-ELK3 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: ELK3 Antibody (1H3) [NBP2-01264] - Staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-ELK3 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: ELK3 Antibody (1H3) [NBP2-01264] - Staining of paraffin-embedded Human lymphoma tissue using anti-ELK3 mouse monoclonal antibody.



## Publications

Jung HY, Lee DK, Lee M et al. ELK3-CXCL16 axis determines natural killer cell cytotoxicity via the chemotactic activity of CXCL16 in triple negative breast cancer *Oncoimmunology* 2023-03-17 [PMID: 36950218] (WB, Human)

Lee M, Cho HJ, Park KS, Jung HY ELK3 Controls Gastric Cancer Cell Migration and Invasion by Regulating ECM Remodeling-Related Genes *International journal of molecular sciences* 2022-03-28 [PMID: 35409069] (WB, Human)

Kim HK, Park JD, Choi SH et al. Functional Link between miR-200a and ELK3 Regulates the Metastatic Nature of Breast Cancer *Cancers (Basel)* 2020-05-13 [PMID: 32414208] (WB, Human)

Kim KS, Kim J, Oh N et al. ELK3-GATA3 axis modulates MDA-MB-231 metastasis by regulating cell-cell adhesion-related genes. *Biochem. Biophys. Res. Commun.* 2018-04-06 [PMID: 29510139] (Human)





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### **Products Related to NBP2-01264**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-83960PEP	ELK3 Recombinant Protein Antigen

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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.

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