

Product Datasheet

ILF1 Antibody - BSA Free NBP1-87700

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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NBP1-87700

ILF1 Antibody - BSA Free

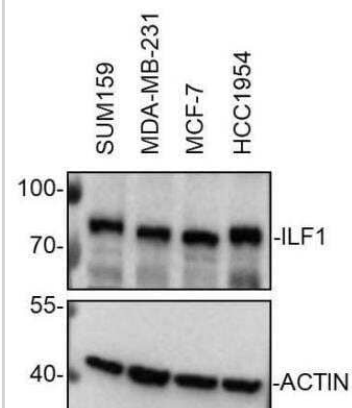
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	3607
Gene Symbol	FOXK2
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SSQPVLITVQRQLPQAIKPVTYTVATPVTSTSTSQPPVVQTVHVVHQIPAVSVTSA AGLAPANTYTVSGQAVVTPAAVLAPPKAEAEQENGDRHREVKVKVEPIPAIGHATL GTASRIIQTAQTTPVQTVTIVQQAPLGQHQLPIK

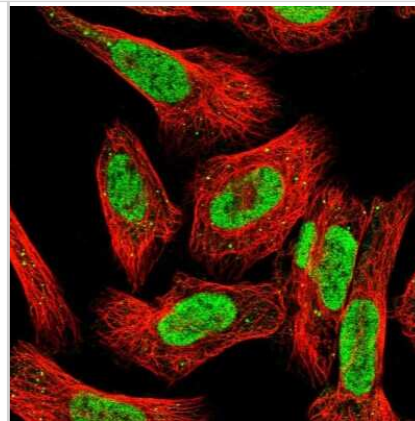
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, 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

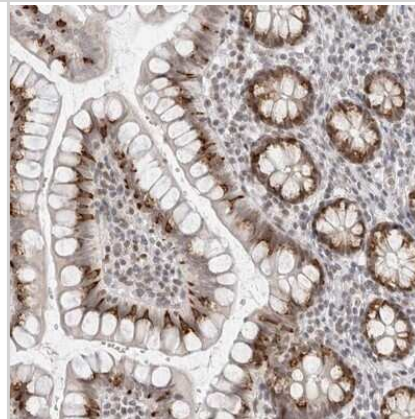
Western Blot: ILF1 Antibody [NBP1-87700] - Whole cell lysates from SUM159, MDA-MB-231, MCF-7 and HCC1954 cells were loaded with 50 ug/lane. 10% SDS-PAGE. ILF1 antibody (NBP1-87700) was used for primary antibody: 1:2000, 4C, overnight. Image from verified customer review.



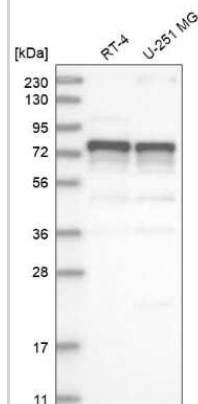
Immunocytochemistry/Immunofluorescence: ILF1 Antibody [NBP1-87700] - Staining of human cell line U-2 OS shows localization to nucleoplasm & vesicles. Antibody staining is shown in green.



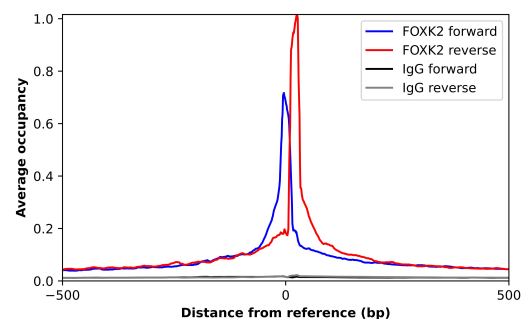
Immunohistochemistry-Paraffin: ILF1 Antibody [NBP1-87700] - Staining of human small intestine shows distinct nuclear positivity in glandular cells.



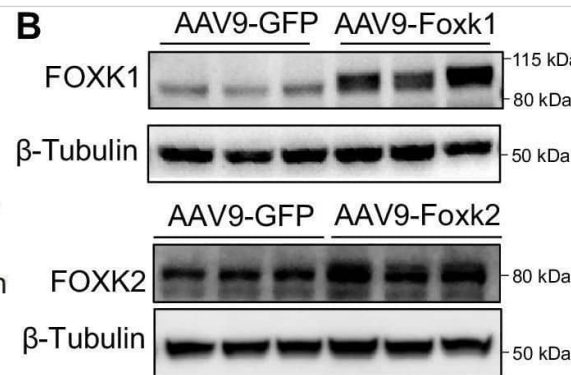
Western Blot: ILF1 Antibody [NBP1-87700] - Analysis in human cell line RT-4 and human cell line U-251 MG.



ChIP-Exo-Seq composite graph for Anti-FOXK2 (NBP1-87700) 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.



Foxk1 and Foxk2 extend the cardiomyocyte proliferative window. A Experimental design: neonatal mice were administered AAV9-GFP, AAV9-Foxk1, or AAV9-Foxk2 on postnatal day 1 (P1) to overexpress Foxk1 or Foxk2 specifically in cardiomyocytes. Heart tissue was subsequently collected at P14. B Western blot analysis of FOXK1 and FOXK2 expression in P14 mouse cardiomyocytes (n = 3 mice per group). C H&E-stained heart sections (n = 5 mice per group). D, E WGA staining of heart tissue sections and quantitative analysis of the cross-sectional area of cardiomyocytes (CM size) (n = 3 per group). F Analysis of total cardiomyocyte counts per heart across different experimental groups (n = 6 per group). G Representative images of cardiomyocytes isolated from the hearts of mice treated with AAV9-Foxk1 or AAV9-Foxk2 and quantification of nucleation at P14 (n = 3 per group). H–J Representative images of co-immunostaining and quantitative analysis for α -actinin (red) and Aurora B (green, indicated by yellow arrows) (H), pH3 (green) (I), and Ki67 (green) (J) in heart tissue sections (n = 4 per group). Data are presented as mean \pm SEM. p values were determined by one-way ANOVA with Bonferroni multiple comparisons test (E, F, and H–J) and two-way ANOVA with Bonferroni multiple comparisons test (G). Source data are provided as a Source Data file. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/40128196>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Wu, P;Song, N;Xiang, Y;Tao, Z;Mao, B;Guo, R;Wang, X;Wu, D;Zhang, Z;Chen, X;Ma, D;Zhang, T;Hao, B;Ma, J; FOXK2 in skeletal muscle development: a new pathogenic gene for congenital myopathy with ptosis EMBO molecular medicine 2025-05-23 [PMID: 40410591]



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Products Related to NBP1-87700

NBP1-87700PEP	ILF1 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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