

# Product Datasheet

## KLF4 Antibody

**NBP2-17070**

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-17070**

KLF4 Antibody

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol, 1% BSA
<b>Target Molecular Weight</b>	55 kDa

**Product Description**

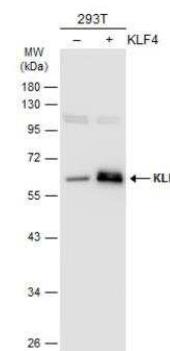
<b>Host</b>	Rabbit
<b>Gene ID</b>	9314
<b>Gene Symbol</b>	KLF4
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Cat (100%), Xenopus laevis (86%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the C-terminus region of human KLF4. The exact sequence is proprietary.

**Product Application Details**

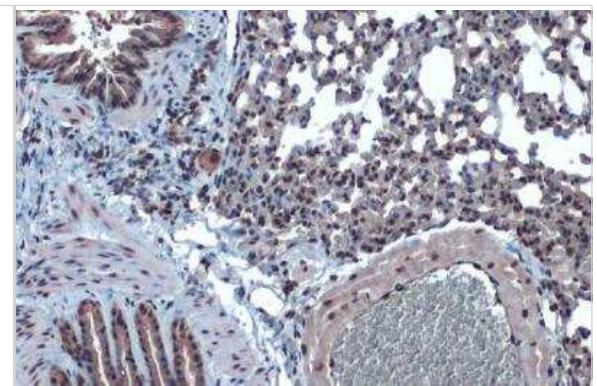
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Flow Cytometry 1:50-1:200, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin
<b>Application Notes</b>	ICC/IF Assay-dependent dilution

**Images**

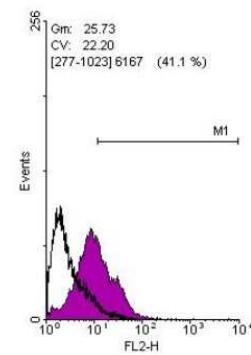
Western Blot: KLF4 Antibody [NBP2-17070] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with KLF4 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody..



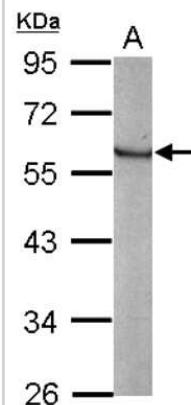
Immunohistochemistry-Paraffin: KLF4 Antibody [NBP2-17070] - Mouse lung. KLF4 stained by KLF4 antibody diluted at 1:1000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



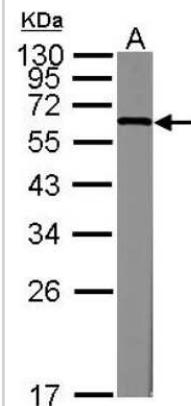
Flow Cytometry: KLF4 Antibody [NBP2-17070] - Human embryonic stem cells, staining with KLF4 antibody at 1:100 dilution (purple) or rabbit IgG (black).



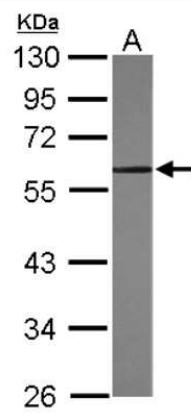
Western Blot: KLF4 Antibody [NBP2-17070] - Sample (20 ug of whole cell lysate) A: human ESC 10% SDS PAGE gel, diluted at 1:3000.



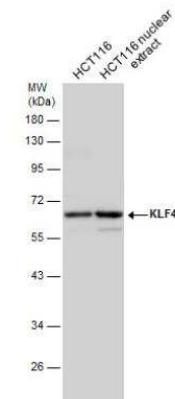
Western Blot: KLF4 Antibody [NBP2-17070] - Sample (20 ug of whole cell lysate) A: mouse ESC 12% SDS PAGE gel, diluted at 1:3000.



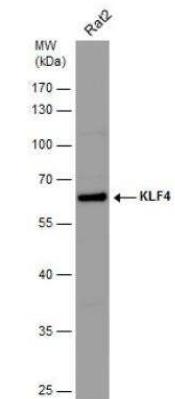
Western Blot: KLF4 Antibody [NBP2-17070] - Sample (30 ug of whole cell lysate) A: NIH-3T3 10% SDS PAGE gel, diluted at 1:5000.



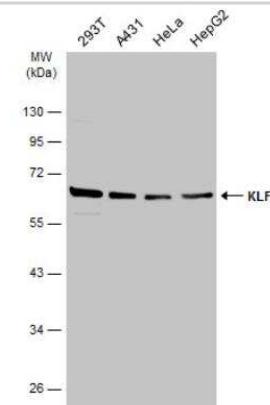
Western Blot: KLF4 Antibody [NBP2-17070] - HCT116 whole cell and nuclear extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with KLF4 antibody diluted at 1:2000.



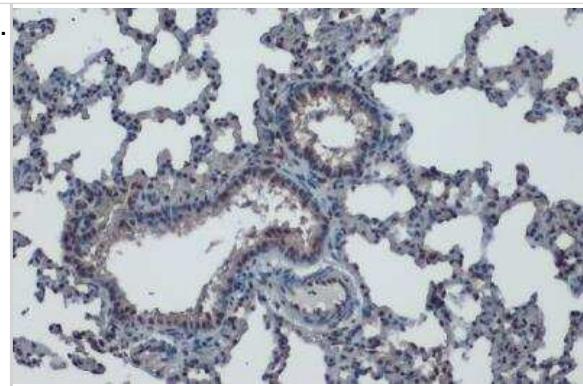
Western Blot: KLF4 Antibody [NBP2-17070] - Whole cell extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with KLF4 antibody diluted at 1:5000.



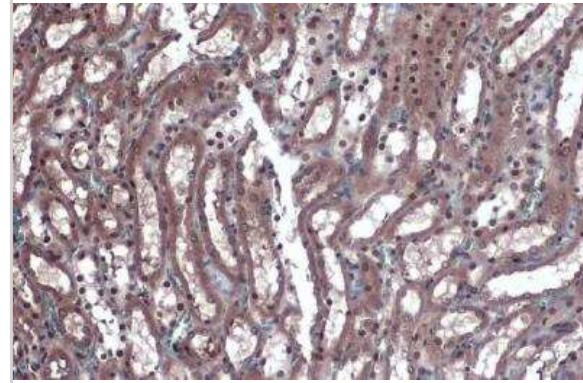
Western Blot: KLF4 Antibody [NBP2-17070] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with KLF4 antibody diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody



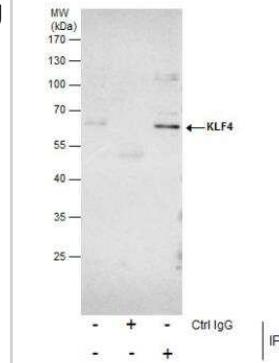
Immunohistochemistry-Paraffin: KLF4 Antibody [NBP2-17070] - Rat lung.  
 KLF4 stained by KLF4 antibody diluted at 1:1000. Antigen Retrieval:  
 Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry-Paraffin: KLF4 Antibody [NBP2-17070] - Rat kidney. KLF4 stained by KLF4 antibody diluted at 1:1000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunoprecipitation: KLF4 Antibody [NBP2-17070] -  
 Immunoprecipitation of KLF4 protein from HeLa whole cell extracts using  
 5 ug of KLF4 antibody. Western blot analysis was performed using KLF4  
 antibody EasyBlot anti-Rabbit IgG was used as a secondary reagent.



## Publications

Ogunsina O, Banerjee R, Knauer LA, Yang Y. Pharmacological inhibition of FOXO1 promotes lymphatic valve growth in a congenital lymphedema mouse model. *Frontiers in Cell and Developmental Biology* 2023-01-05 [PMID: 36742198] (WB)



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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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