

## Anti-KLF4 Rabbit pAb



WL02532

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-KLF4 Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:1000-1:2000
	IHC	1:500
	IF	1:100-1:400
<b>Cellular localization</b>	Nucleus	
<b>Pack size</b>	50/100/200/500/1000μl	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

## General Information

<b>Background</b>	KLF4 is a member of the erythroid Kruppel-like factor (EKLF) multigene family that is highly expressed in the differentiating layers of the epidermis. The protein is thought to control the G1-to-S transition of the cell cycle following DNA damage by mediating the tumor suppressor gene p53. The in vitro reprogramming of somatic cells to an embryonic-like state has been achieved by retroviral transduction of four factors: Oct-3/4, Sox2, c-Myc, and KLF4. These induced pluripotent stem cells (iPS) are of great therapeutic interest as they exhibit the key characteristics and growth properties of pluripotent stem cells.
<b>Immunogen</b>	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of KLF4.
<b>Purification</b>	Polyclonal antibody was purified by Protein A affinity chromatography.

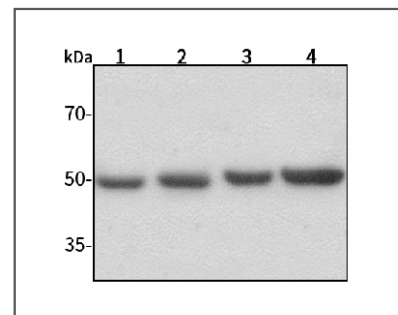
## Anti-KLF4 Rabbit pAb



WL02532

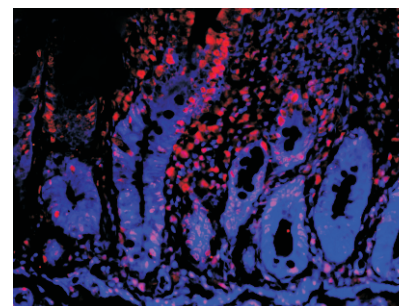
For Research Use Only. Not For Use In Diagnostic Procedures

## Product Images



## Western blot-Anti-KLF4 pAb

Lane 1: Mouse colon tissue lysate  
 Lane 2: Mouse lung tissue lysate  
 Lane 3: Rat heart tissue lysate  
 Lane 4: Rat kidney tissue lysate  
 All lanes: Anti-KLF4 at 1:1000 dilution  
 Lysates/proteins at 20-50 μg per lane.  
 Predicted band size: 54 kDa  
 Observed band size: 54 kDa



## Immunofluorescence-Anti-KLF4 pAb

Immunofluorescence analysis of paraffin-embedded rat colon using anti-KLF4 Rabbit Antibody at 1:200 dilution.  
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0