KLF4 Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H M Mk	Sensitivity: Endogenous	MW (kDa): 65	Source/Isotype: Rabbit	UniProt ID: #O43474	Entrez-Gene Id: 9314
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM soo 20°C. Do not aliquot th	**	δ), 150 mM NaCl, 100 μg.	/ml BSA and 50% gl	ycerol. Store at –
Specificity/Sensitivity		KLF4 Antibody detects endogenous levels of total KLF4 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with synthetic peptide corresponding to amino acid sequence surrounding Pro92 of human KLF4. Antibodies are purified by Protein A and peptide affinity chromatography.				
Background		in the differentiating la epithelial cells and is e KLF4 can function as b protein may function a regulation in human s carcinoma (5,6). The <i>ir</i> achieved by retroviral	ayers of the epider, issential for norma oth a repressor an as either a tumor si quamous cell carcin vitro reprogramm transduction of fou (iPS) are of great the	el-like factor (EKLF) mult mis (1, 2). KLF4 plays a c I gastric homeostasis (2, d activator of transcripti uppressor or an oncoge noma of the head and n ling of somatic cells to a ur factors: Oct-3/4, Sox2, nerapeutic interest as th lls (8,9).	ritical role in the dit .3). Depending on to on (4). Research stune ne depending on to eck and down-regunembryonic-like stoch c-Myc, and KLF4 (7	ferentiation of he target gene, udies suggest this umor type, with uplation in colorectal ate has been here.
Background References		1. Yet, S.F. et al. (1998) <i>J Biol Chem</i> 273, 1026-31. 2. Segre, J.A. et al. (1999) <i>Nat Genet</i> 22, 356-60. 3. Katz, J.P. et al. (2005) <i>Gastroenterology</i> 128, 935-45. 4. Evans, P.M. and Liu, C. (2008) <i>Acta Biochim Biophys Sin (Shanghai)</i> 40, 554-64. 5. Foster, K.W. et al. (2005) <i>Oncogene</i> 24, 1491-500. 6. Rowland, B.D. and Peeper, D.S. (2006) <i>Nat Rev Cancer</i> 6, 11-23. 7. Takahashi, K. and Yamanaka, S. (2006) <i>Cell</i> 126, 663-76. 8. Meissner, A. et al. (2007) <i>Nat Biotechnol</i> 25, 1177-81. 9. Park, I.H. et al. (2008) <i>Nature</i> 451, 141-6.				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human M: Mouse Mk: Monkey

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