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AML1 Antibody



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Applications: WB, IF-IC, FC-FP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 55	Source: Rabbit	UniProt ID: #Q01196	Entrez-Gene Id: 861
Product Usage	Ар	Application				Dilution
Information	We	stern Blotting				1:1000
	Imr	Immunofluorescence (Immunocytochemistry) Flow Cytometry (Fixed/Permeabilized)				1:50
	Flo					1:200
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity / Sensitivity		AML1 antibody detects endogenous levels of total AML1 protein and the AML1/ETO fusion protein.				
Source / Purification	amir		nino terminus of hu	•	h a synthetic peptide co ies are purified by prote	
Background	of tra AML expr trans TEL	AML1 (also known as Runx1, CBFA2, and PEBP2 α B) is a member of the core binding factor (CBF) family of transcription factors (1,2). It is required for normal development of all hematopoietic lineages (3-5). AML1 forms a heterodimeric DNA binding complex with its partner protein CBF β and regulates the expression of cellular genes by binding to promoter and enhancer elements. AML1 is commonly translocated in hematopoietic cancers: chromosomal translocations include t(8;21) AML1-ETO, t(12;21) TEL-AML, and t(8;21) AML-M2 (6). Phosphorylation of AML1 on several potential serine and threonine sites, including Ser249, is thought to occur in an Erk-dependent manner (7,8).				
Background Refere	2. O 3. O 4. W 5. N 6. Bl 7. Ta	 Wang, S. et al. (1993) Mol Cell Biol 13, 3324-39. Ogawa, E. et al. (1993) Proc Natl Acad Sci U S A 90, 6859-63. Okuda, T. et al. (1996) Cell 84, 321-30. Wang, Q. et al. (1996) Proc Natl Acad Sci U S A 93, 3444-9. North, T.E. et al. (2004) Stem Cells 22, 158-68. Blyth, K. et al. (2005) Nat Rev Cancer 5, 376-87. Tanaka, T. et al. (1996) Mol Cell Biol 16, 3967-79. Zhang, Y. et al. (2004) J Biol Chem 279, 53116-25. 				

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 WB: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry)

FC-FP: Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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