#13089 Store at -200 mAp	2 (D9K6L) Mouse	Orders: 877-616-CELL (2355 orders@cellsignal.com Support: 877-678-TECH (8324) Web: info@cellsignal.com 3 Trask Lane Danvers Massachusetts 01923 USA
For Research Use Only. Not	for Use in Diagnostic Procedures.	
		e/Isotype: UniProt ID: Entrez-Gene Id: se IgG2b #Q13761 864
Product Usage Information	Application Western Blotting Immunoprecipitation Immunofluorescence (Immunocytochemistry)	Dilution 1:1000 1:50 1:400 - 1:800
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 m 0.02% sodium azide. Store at –20°C. Do not alique	nM NaCl, 100 μg/ml BSA, 50% glycerol and less than ot the antibody.
Specificity / Sensitivity	RUNX3/AML2 (D9K6L) Mouse mAb recognizes en	ndogenous levels of total RUNX3 protein.
Source / Purification	Monoclonal antibody is produced by immunizing ar human Runx3 protein.	nimals with recombinant protein surrounding Gly217 of
Background	plays an important role in the suppression of gastri neurogenesis (2), and T cell differentiation (3,4). Ru apoptosis (5). Protein complexes containing RUNX catenin/TCF4, have tumor suppressor activity and While typically localized to the nucleus, RUNX3 cat cytoplasm of many cancer cells. This mislocalization and contributes to tumorigenesis (8). Research stu	K3 and various transcription factors, such as Smads or β- regulate downstream target gene transcription (6,7). In be tyrosine phosphorylated and located in the on of RUNX3 abolishes its tumor suppressor function
Background Reference	 1. Li, Q.L. et al. (2002) <i>Cell</i> 109, 113-24. 2. Inoue, K. et al. (2002) <i>Nat Neurosci</i> 5, 946-54. 3. Taniuchi, I. et al. (2002) <i>Cell</i> 111, 621-33. 4. Woolf, E. et al. (2007) <i>Dev Biol</i> 303, 703-14. 5. Zhai, F.X. et al. (2012) <i>J Cancer Res Clin Oncol</i> 6. Chi, X.Z. et al. (2005) <i>Mol Cell Biol</i> 25, 8097-107 7. Ito, K. et al. (2008) <i>Cancer Cell</i> 14, 226-37. 8. Goh, Y.M. et al. (2010) <i>J Biol Chem</i> 285, 10122-4 9. Blyth, K. et al. (2005) <i>Nat Rev Cancer</i> 5, 376-87. 10. Ito, K. et al. (2005) <i>Cancer Res</i> 65, 7743-50. 	9.
Species Reactivity	Species reactivity is determined by testing in at leas	st one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane 0.1% Tween® 20 at 4°C with gentle shaking, overnig	ne with diluted primary antibody in 5% w/v BSA, 1X TBS, ight.
Applications Key	WB: Western Blotting IP: Immunoprecipitation IF-IC	C: Immunofluorescence (Immunocytochemistry)
Cross-Reactivity Key	 H: human M: mouse R: rat Hm: hamster Mk: monk X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig GP: Guinea Pig Rab: rabbit All: all species expected 	
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https://www.cellsignal.com/da	tasheet.jsp?productId=13089&images=0&protoc	col=0

RUNX3/AML2 (D9K6L) Mouse mAb (#13089) Datasheet Without Images Cell Signaling Technology

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