9647 Store at -20C

RUNX3/AML2 (D6E2) Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cell signal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: WB, IP, IHC-P, FC-FP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 43-48	Source/Isotype: Rabbit IgG	UniProt ID: #Q13761	Entrez-Gene Id: 864	
Product Usage Information	Ap	Application			Dilution		
	We	estern Blotting		1:1000			
	Im	munoprecipitation			1:50		
	Im	munohistochemistry	(Paraffin)	1:50 - 1:200			
	Flo	Flow Cytometry (Fixed/Permeabilized)			1:100 - 1:400		
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol an 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					erol and less than	
Specificity / Sensitivity		RUNX3/AML2 (D6E2) Rabbit mAb recognizes endogenous levels of both isoforms of RUNX3 protein. This antibody recognizes mouse RUNX3/AML2 protein and is also reactive with human RUNX3/AML2; however, this antibody is not suggested for immunohistochemical analysis of human tissues. This antibody does not recognize RUNX1 and RUNX2 proteins.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human RUNX3 protein.					
Background	play neu apo cate Whi cyto and	Runt-related transcription factor 3 (RUNX3, AML2), a member of the Runt family of transcription factors, plays an important role in the suppression of gastric epithelium cell proliferation (1), dorsal root ganglia neurogenesis (2), and T cell differentiation (3,4). RUNX3 is also involved in caspase-3-dependent apoptosis (5). Protein complexes containing RUNX3 and various transcription factors, such as Smads or β -catenin/TCF4, have tumor suppressor activity and regulate downstream target gene transcription (6,7). While typically localized to the nucleus, RUNX3 can be tyrosine phosphorylated and located in the cytoplasm of many cancer cells. This mislocalization of RUNX3 abolishes its tumor suppressor function and contributes to tumorigenesis (8). Research studies indicate that gene silencing or protein mislocalization inactivates RUNX3 in more than 80% of gastric cancers and other cancer types (1,9,10).					
Background Refere	2. Ir 3. T 4. W 5. Z 6. C 7. It 8. G 9. B	 Li, Q.L. et al. (2002) <i>Cell</i> 109, 113-24. Inoue, K. et al. (2002) <i>Nat Neurosci</i> 5, 946-54. Taniuchi, I. et al. (2002) <i>Cell</i> 111, 621-33. Woolf, E. et al. (2007) <i>Dev Biol</i> 303, 703-14. Zhai, F.X. et al. (2012) <i>J Cancer Res Clin Oncol</i> 138, 439-49. Chi, X.Z. et al. (2005) <i>Mol Cell Biol</i> 25, 8097-107. Ito, K. et al. (2008) <i>Cancer Cell</i> 14, 226-37. Goh, Y.M. et al. (2010) <i>J Biol Chem</i> 285, 10122-9. Blyth, K. et al. (2005) <i>Nat Rev Cancer</i> 5, 376-87. Ito, K. et al. (2005) <i>Cancer Res</i> 65, 7743-50. 					

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 IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin)

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

1/1/24. 10:24 AM

Trademarks and Patents

Limited Uses

RUNX3/AML2 (D6E2) Rabbit mAb (#9647) Datasheet Without Images Cell Signaling Technology

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.
All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.