## GATA-1 (D24E4) XP<sup>®</sup> Rabbit mAb





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3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: W, IP, IF-IC, FC-FP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 43	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P15976	Entrez-Gene Id: 2623		
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation Immunofluorescence Flow Cytometry (Fixed		istry)		<b>Dilution</b> 1:1000 1:50 1:200 1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity/Sen	sitivity	GATA-1 (D24E4) XP <sup>®</sup> Rabbit mAb detects endogenous levels of GATA-1 protein.						
Source / Purific	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala184 of human GATA-1.						
Background		GATA proteins comprise a group of transcription factors that are related by the presence of conserved zinc finger DNA-binding domains, which bind directly to the nucleotide sequence core element GATA (1- 3). There are six vertebrate GATA proteins, designated GATA-1 to GATA-6 (3).						
		GATA-1 is the founding member of the GATA family and is required for erythroid and megakaryoc cell development (4,5). Mutations in the corresponding <i>GATA-1</i> gene are linked to many human diseases, including acute megakaryoblastic leukemia in Down Syndrome children (DS-AMKL), X-lir thrombocytopenia, and gray platelet syndrome (6-9).						
Background References 1. Ko, L.J. and Engel, J.D. (1993) Mol Cell Biol 13, 4011-22.   2. Merika, M. and Orkin, S.H. (1993) Mol Cell Biol 13, 3999-4010.   3. Lowry, J.A. and Atchley, W.R. (2000) J Mol Evol 50, 103-15.   4. Pevny, L. et al. (1991) Nature 349, 257-60.   5. Fujiwara, Y. et al. (1996) Proc Natl Acad Sci USA 93, 12355-8.   6. Wechsler, J. et al. (2002) Nat Genet 32, 148-52.   7. Cantor, A.B. (2005) Int J Hematol 81, 378-84.   8. Mehaffey, M.G. et al. (2001) Blood 109, 3297-9.								
Species Reactiv	vity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot B	uffer	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 K	ey	<b>W:</b> Western Blotting <b>IP:</b> Immunoprecipitation <b>IF-IC:</b> Immunofluorescence (Immunocytochemistry) <b>FC-</b> <b>FP:</b> Flow Cytometry (Fixed/Permeabilized)						
Cross-Reactivit	су Кеу	H: Human						
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