GATA-3 (E2N1Y) Mouse mAb	
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For Research Use Only. Not for Use in Diagnostic Procedures.	

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Applications: Reactivity: W, IHC-P, IF-IC, FC- H FP, C&R	Sensitivity: Endogenous	MW (kDa): 50	Source/Isotype: Mouse IgG1	UniProt ID: #P23771	Entrez-Gene Id: 2625
Product Usage Information	The CUT&RUN dilution Application Western Blotting Immunohistochemis Immunofluorescence Flow Cytometry (Fixe CUT&RUN	try (Paraffin) e (Immunocytochen	using CUT&RUN Assay Ki histry)	it #86652.	Dilution 1:1000 1:400 1:100 1:100 1:50
Storage			5), 150 mM NaCl, 100 µg not aliquot the antibody.		rol and less than
	For a carrier free (BSA and azide free) version of this product see product #57847.				
Specificity/Sensitivity	GATA-3 (E2N1Y) Mou	se mAb recognizes e	endogenous levels of tot	al GATA-3 protein.	
Source / Purification	Monoclonal antibody residues near the am		nunizing animals with a s nan GATA-3 protein.	synthetic peptide c	orresponding to
Background	zinc finger DNA-bind 3). There are six verto GATA-3 is a critical re mouse embryos die spinal cord (5). The fu recently been shown (6,7). It is expressed i mammary gland, and cancer is associated prognostic biomarke	ing domains, which ebrate GATA protein gulator of developm between E11 and E1 unction of GATA-3 ha to be a downstrean in both hematopoie d central nervous sy with poor clinical ou r (11). Haploinsuffic	cription factors that are bind directly to the nucle s, designated GATA-1 to nent of various systems i 2 due to growth retardar as been extensively studin target of Notch in Notc tic and non-hematopoiet stem (8-10). Decreased e tcome. GATA-3 expressio iency of GATA-3 results in deafness and renal dys	eotide sequence co GATA-6 (3). n both mouse and tion and deformitie ed in T cell develop themediated differe tic tissues, includin expression of GATA- on level may therefor Barakat syndome	human (4). GATA-3 es in the brain and ment and has intiation of TH2 cells g the kidney, skin, -3 in luminal breast ore be a promising
Background References	 Ko, L.J. and Engel, Merika, M. and Ori Lowry, J.A. and Atc Debacker, C. et al. Pandolfi, P.P. et al. Ho, I.C. et al. (2009) Amsen, D. et al. (2009) Grote, D. et al. (2009) Kaufman, C.K. et a Kouros-Mehr, H. et al Chou, J. et al. (200) Van Esch, H. et al 	kin, S.H. (1993) <i>Mol</i> hley, W.R. (2000) <i>J M</i> (1999) <i>Mech Dev</i> 85, (1995) <i>Nat Genet</i> 11 1) <i>Nat Rev Immunol</i> 207) <i>Immunity</i> 27, 8 28) <i>PLOS Genet</i> 4, e1 I. (2003) <i>Genes Dev</i> et al. (2006) <i>Cell</i> 127, 10) <i>J Cell Physiol</i> 222	Cell Biol 13, 3999-4010. In Evol 50, 103-15. 183-7. , 40-4. 9, 125-35. 9-99. 000316. 17, 2108-22. , 1041-55. , 42-9.		
Species Reactivity	Species reactivity is c	letermined by testin	g in at least one approve	ed application (e.g.	, western blot).
Western Blot Buffer	IMPORTANT: For wes TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody i	in 5% w/v BSA, 1X

Applications Key	W: Western Blotting IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) C&R: CUT&RUN
Cross-Reactivity Key	H: Human
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