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GATA-4 (D3A3M) Rabbit mAb 99692#



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

Applications: W, IF-IC, FC-FP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 55	Source/Isotype: Rabbit IgG	UniProt ID: #P43694	Entrez-Gene Id: 2626	
Product Usage Information Storage		Application Western Blotting Immunofluorescence Flow Cytometry (Fixed	(Immunocytochem //Permeabilized)			Dilution 1:1000 1:400 1:400	
		0.02% sodium azide. S	tore at –20°C. Do n	ot aliquot the antibody. sion of this product see			
Specificity/Sen	sitivity	GATA-4 (D3A3M) Rabbit mAb recognizes endogenous levels of total GATA-4 protein.					
Species predict based on 100% homology	ed to react sequence	Mouse, Rat					
Source / Purific	cation	Monoclonal antibody residues near the ami		unizing animals with a s an GATA-4 protein.	synthetic peptide co	orresponding to	
Background		zinc finger DNA bindir 3). There are six vertel GATA-4 is crucial for ca gene are implicated ir dilated cardiomyopath intestinal epithelial str roles in steroidogenes required factor for bo activates BMP signalir factors GATA-4, GATA-0	ng domains, which b prate GATA proteins ardiomyocyte different many cardiac disea my (6,7), and atrial so ructure by regulatin ris and genital ridge me mineralization in mg (11). Research stu 5, and KLF5 that pro- stone H3K9 hyperad	ription factors that are bind directly to the nucle , designated GATA-1 to o entiation (4), and not su ases, such as tetralogy o eptal defect (8). GATA-4 a g enterocyte gene expre- formation during gona osteoblast progenitor o udies have uncovered or motes gastric cancer de cetylation on the GATA-4	eotide sequence co GATA-6 (3). rprisingly, mutatior of Fallot (5), familial and GATA-6 togethe ession (9). They also dal development (1 cells, where it suppl osstalk among the evelopment (12). Ac	re element GATA (1- ns in the <i>GATA-4</i> and sporadic er maintain b have overlapping 0). GATA-4 is also a resses TGF-β and transcription dditional studies	
Background Re	eferences	1. Ko, L.J. and Engel, J. 2. Merika, M. and Orki 3. Lowry, J.A. and Atch 4. Gan, L. et al. (2014) 5. Yang, Y.Q. et al. (201 6. Li, R.G. et al. (2013) 7. Li, J. et al. (2014) <i>Ge</i> 8. Mohan, R.A. et al. (2 9. Walker, E.M. et al. (2 10. LaVoie, H.A. (2014) 11. Güemes, M. et al. (2 13. Peng, C. et al. (201	n, S.H. (1993) <i>Mol C</i> ley, W.R. (2000) <i>J Mo</i> <i>Gene Expr Patterns</i> 3) <i>Hum Mutat</i> 34, 1 <i>Biochem Biophys R</i> <i>ne</i> 548, 174-81. 014) <i>Am J Med Gen</i> 014) <i>Dev Biol</i> 392, 2 <i>Biol Reprod</i> 91, 38. 2014) <i>J Bone Miner</i> 15) <i>Gut</i> 64, 707-19.	ell Biol 13, 3999-4010. bl Evol 50, 103-15. 16, 8-22. 662-71. es Commun 439, 591-6. et A 164A, 2732-8. 283-94. Res 29, 2676-87.			
Species Reactiv	/ity	Species reactivity is de	termined by testing	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot B	uffer	IMPORTANT: For west	ern blots, incubate	membrane with diluted	primary antibody i	n 5% w/v BSA, 1X	

TBS, 0.1% Tween[®] 20 at 4°C with gentle shaking, overnight.

Applications Key	W: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)			
Cross-Reactivity Key	H: Human			
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