3/23/24, 11:25 AM Revision 4

81493 store at -20C EOMES (D8D1R)	Rabbit mAb			Orders: Support: Web:	ECHNOLOGY® 877-616-CELL (2355) orders@cellsignal.com 877-678-TECH (8324) info@cellsignal.com cellsignal.com
#			3 Trask La	ne Danvers M	assachusetts 01923 USA
For Research Use Only. Not for Us	e in Diagnostic Proce	edures.			
Applications: Reactivity WB, IF-IC, FC-FP, ChIP, H C&R	/: Sensitivity: Endogenous	MW (kDa): 75, 85	Source/Isotype: Rabbit IgG	UniProt ID: #O95936	Entrez-Gene Id: 8320
Product Usage Information	For optimal ChIP results This antibody has been	, use 10 μl of anti validated using S	body and 10 μg of chror impleChIP [®] Plus Sonica	natin (approximat tion Chromatin IF	tely 4 x 106 cells) per IP. ? Kits.
	The CUT&RUN dilution	was determined ι	using CUT&RUN Assay I	Kit #86652.	
	Application			D	ilution
	Western Blotting			1:	1000
	Immunofluorescence (In	mmunocytochem	istry)	1:	400 - 1:1600
	Flow Cytometry (Fixed/	Permeabilized)		1:	400 - 1:1600
	Chromatin IP			1:	50
	CUT&RUN			1:	50
Storage	Supplied in 10 mM sodiu 0.02% sodium azide. Sto	um HEPES (pH 7 ore at –20°C. Do	.5), 150 mM NaCl, 100 μ not aliquot the antibody.	ıg/ml BSA, 50% g	lycerol and less than
	For a carrier free (BSA a	and azide free) ve	rsion of this product see	product #71103.	
Specificity / Sensitivity	EOMES (D8D1R) Rabbi	it mAb recognizes	s endogenous levels of to	otal EOMES prote	ein.
Source / Purification	Monoclonal antibody is p residues surrounding Pr	oroduced by imm o180 of human E	unizing animals with a sy OMES protein.	nthetic peptide c/	orresponding to
Background	The T-box family of trans of the mouse brachyury transcriptional activation embryonic development, master regulator of meso neurogenesis, and the d soon after implantation of mice show defects in de stage progenitor cells (IF in the ventricular and su from radial glia to IPCs a EOMES and IPCs may a a key transcription factor Expression of EOMES is sufficient IL-12 has been	scription factors is (T) gene product. I. They also have , primarily mesod oderm formation f lifferentiation of c due to their inabili velopment of a sp PCs) that give rise b-ventricular zone and then decrease also play a role in r for memory T ce s induced in CD8" n produced to elic	s named for their shared Members of this family evolutionarily conserved erm development (1). Ed that is also essential for ertain T cell subsets. Em ty to develop a trophobla becific population of neu e only to neurons (4,5). T es of the cortex. Express es as IPCs progress to m neurogenesis in the adu ells and for full effector di the coll response	homology with the bind DNA and are l expression patter DMES, or Tbr2 (T trophoblast format bryos from EOME ast (2,3). Condition ral progenitors know these cells are for ion of EOMES in- returns. Recent et alt hippocampal S fferentiation of CI fection and bacter se (7).	e DNA binding domain e capable of rms and roles in -box brain 2), is a tion, gastrulation, ES knockout mice die nal neural knockout own as intermediate- rmed from the radial glia creases as cells develop evidence suggests that iGZ (5). EOMES is also D8 ⁺ T cells (6). rrial infection where
Background References	1. Showell, C. et al. (200 2. Russ, A.P. et al. (2000 3. Strumpf, D. et al. (2000 4. Englund, C. et al. (200 5. Hodge, R.D. et al. (200 6. Takayanagi, M. et al. (200 7. Takemoto, N. et al. (200	 (4) Dev Dyn 229, (5) Nature 404, 95- (5) Development (5) J Neurosci 25 (8) J Neurosci 28 (2003) Rheumato (2003) J Immunol 1 	201-18. -9. 132, 2093-102. , 247-51. 3, 3707-17. <i>I Int</i> 23, 315-8. 77, 7515-9.		

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

3/23/24, 11:25 AM	EOMES (D8D1R) Rabbit mAb (#81493) Datasheet Without Images Cell Signaling Technology				
	0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key	WB: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) ChIP: Chromatin IP C&R: CUT&RUN				
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				
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. Alexa Fluor is a registered trademark of Life Technologies Corporation. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.				
Limited Uses	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.				