EOMES Antibody



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

Applications: W	Reactivity: M	Sensitivity: Endogenous	MW (kDa): 70	Source/Isotype: Rabbit	UniProt ID: #O95936	Entrez-Gene Id 8320
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		EOMES Antibody detects endogenous levels of total EOMES protein.				
Species predicted to react based on 100% sequence homology		Human, Rat, Monkey				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to amino acid sequences at the amino terminus of human EOMES. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		domain of the mouse transcriptional activati embryonic developme master regulator of meurogenesis, and the soon after implantatio knockout mice show dintermediate-stage profrom the radial glia in increases as cells deve Recent evidence sugginippocampal SGZ (5). I differentiation of CD8*	brachyury (T) gene on. They also have nt, primarily meso esoderm formatio differentiation of n due to their inab efects in developm ogenitor cells (IPCs the ventricular and lop from radial glia ests that EOMES ar EOMES is also a ke T cells (6). Express	s named for their share product. Members of the evolutionarily conservederm development (1). In that is also essential forcertain T cell subsets. En ility to develop a trophosent of a specific populate) that give rise only to not sub-ventricular zones of to IPCs and then decreated IPCs may also play a representation of EOMES is induced inficient IL-12 has been products.	nis family bind DNA d expression patter EOMES, or Tbr2 (T-bor trophoblast form nbryos from EOMES blast (2,3). Condition of neural progeeurons (4,5). These of the cortex. Expresases as IPCs progretole in neurogenesis memory T cells and in CD8 ⁺ T cells foll	and are capable of ins and roles in ox brain 2), is a ation, gastrulation, is knockout mice die nal neural enitors known as cells are formed ssion of EOMES iss to neurons. In the adult d for full effector owing viral
Background Refe	erences	1. Showell, C. et al. (2004) <i>Dev Dyn</i> 229, 201-18. 2. Russ, A.P. et al. (2000) <i>Nature</i> 404, 95-9. 3. Strumpf, D. et al. (2005) <i>Development</i> 132, 2093-102. 4. Englund, C. et al. (2005) <i>J Neurosci</i> 25, 247-51. 5. Hodge, R.D. et al. (2008) <i>J Neurosci</i> 28, 3707-17. 6. Takayanagi, M. et al. (2003) <i>Rheumatol Int</i> 23, 315-8. 7. Takemoto, N. et al. (2006) <i>J Immunol</i> 177, 7515-9.				
Species Reactivit	ту	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot But	ffor	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA 1X				

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 W: Western Blotting

Cross-Reactivity Key M: Mouse

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