EGR1 (15F7) Rabbit mAb



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Applications: W, IP, IF-F, IF-IC, ChIP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 75	Source/Isotype: Rabbit IgG	UniProt ID: #P18146	Entrez-Gene Id 1958
Product Usage Information		For optimal ChIP results, use 10 μ l of antibody and 10 μ g of chromatin (approximately 4 x 10 ⁶ cells) per IP. This antibody has been validated using SimpleChIP [®] Enzymatic Chromatin IP Kits.				
		Application			Dilution	
		Western Blotting			1:1000	
		Immunoprecipitation	า		1:50	
		Immunofluorescence	•		1:12800 -	1:25600
		Immunofluorescence Chromatin IP	e (Immunocytochem	nistry)	1:1600 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
		For a carrier free (BSA and azide free) version of this product see product #83520.				
Specificity/Sensi	tivity	EGR1 (15F7) Rabbit mAb detects endogenous levels of total EGR1 protein.				
Species predicted based on 100% so homology		Bovine				
Source / Purification Monoclonal antibody is produced by immunizing animals with a synt amino terminus of the sequence of human EGR1.					synthetic peptide co	orresponding to the
Background EGR family members are transcriptional factors that contain three repetitive zir domains which bind to EGR response elements (ER) to regulate target gene expression of EGR family members is induced by growth factors, with EGR1 expression activates transcription of other signali CDK5 and tyrosine hydroxylase, and exerts long term effects on neural cell grow (2,3).					arget gene express with EGR1 expressi of other signaling m	on (1). The on being induced olecules, including
Background References		1. O'Donovan, K.J. et	al. (1999) <i>Trends Ne</i>	urosci. 22, 167-173.		
		2. Harada, T. et al. (2001) <i>Nat. Cell Biol.</i> 3, 453-459. 3. Papanikolaou, N.A. and Sabban, E.L. (2000) <i>J. Biol. Chem.</i> 275, 26683-26689.				
Species Reactivit	:y	Species reactivity is o	letermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Bu	ffer	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 IP: Immunoprecipitation IF-F: Immunofluorescence (Frozen) IF-IC: Immunofluorescence (Immunocytochemistry) ChIP: Chromatin IP				
Cross-Reactivity	Key	H: Human M: Mouse R: Rat				
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