

#2318 Store at -20C

C/EBPδ Antibody



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3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB	M	Endogenous	29	Rabbit	#P49716	1052

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	C/EBPδ Antibody detects endogenous levels of total C/EBPδ protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of mouse C/EBPδ. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	CCAAT/enhancer-binding proteins (C/EBPs) are a family of transcription factors critical for cellular proliferation, differentiation, metabolism, inflammatory response and many other biological events (1,2). Six members of the family have been identified (C/EBPα, β, δ, γ, ε and ζ) and have been shown to distribute in a variety of tissues (1,2). C/EBPδ is highly expressed in adipose tissue, lung and intestine (2). C/EBPs play an important role in positively regulating adipogenesis (2,3) and C/EBPδ mRNA levels are enhanced during this process (3). C/EBPδ is also expressed in the mammalian nervous system (2) and has been shown to play an important role in long-term memory (4).	
Background References	<ol style="list-style-type: none"> 1. Lekstrom-Himes, J. and Xanthopoulos, K.G. (1998) <i>J Biol Chem</i> 273, 28545-8. 2. Ramji, D.P. and Foka, P. (2002) <i>Biochem J</i> 365, 561-75. 3. Cao, Z. et al. (1991) <i>Genes Dev</i> 5, 1538-52. 4. Taubenfeld, S.M. et al. (2001) <i>J Neurosci</i> 21, 84-91. 	

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