DDC Antibody					
Store	Orders: 877-616-CELL (2355) orders@cellsignal.com				
10	Support: 877-678-TECH (8324)				
#8786	Web: info@cellsignal.com cellsignal.com				
#	3 Trask Lane Danvers Massachusetts 01923 USA				
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Applications: W	Reactivity: M R	Sensitivity: Endogenous	MW (kDa): 48	Source/Isotype: Rabbit	UniProt ID: #P20711	Entrez-Gene Id 1644		
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/Sen	sitivity	DDC Antibody recognizes endogenous levels of total DDC protein.						
Species predict based on 100% homology	ted to react sequence	Human						
Source / Purific	cation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val33 of human DDC protein. Antibodies are purified by protein A and peptide affinity chromatography.						
Background		decarboxylation of L- produce dopamine, I the complex neuroer system (3), but has al as well as leukocytes synthesis of the trace	DOPA to dopamine DDC is involved in m idocrine-immune re so been detected ir of rat and human (amines 2-phenylet	al 5-phosphate (PLP)-de (1) and L-5HTP to seroto any important metaboli gulatory network (1). DE some peripheral organs). DDC is thought to be hylamine, p-tyramine, an o regarded as a general l	nin (2). By catalyzin c processes and pla DC is expressed in th s such as the liver a the sole enzyme res nd tryptamine, whic	g the reaction to ys a central role in ne central nervous nd adrenal gland, sponsible for the h are considered to		
Background Re	eferences	1. Zhou, Z. et al. (2011) <i>PLoS One</i> 6, e18596. 2. Børglum, A.D. et al. (1999) <i>Mol Psychiatry</i> 4, 545-51. 3. Kontos, C.K. et al. (2010) <i>Br J Cancer</i> 102, 1384-90. 4. Ma, J.Z. et al. (2005) <i>Hum Mol Genet</i> 14, 1691-8.						
Species Reactiv	vity	Species reactivity is d	letermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot B	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 K	ey	W: Western Blotting						
Cross-Reactivit	су Кеу	M: Mouse R: Rat						
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