For Research Use Only

DCLK1 Monoclonal antibody

Catalog Number:68234-1-lg 1 Publications



Basic Information	Catalog Number: 68234-1-lg	GenBank Accession Number: BC152456		Purification Method: Protein G purification	
	Size: 150ul , Concentration: 1000 ug/ml by	GenelD (NCBI): 9201		CloneNo.: 3C12C1	
	Nanodrop; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG17110	UNIPROT ID: O15075 Full Name: doublecortin-like kin Calculated MW: 729 aa, 81 kDa Observed MW: 46 kDa, 82 kDa	ase 1	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000 IF-P: 1:200-1:800 FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension	
Applications	Tested Applications:		Positive Controls:		
	WB, IHC, IF-P, FC (Intra), ELISA Cited Applications:		WB : pig brain tissue, fetal human brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue IHC : mouse brain tissue,		
	IHC, IF				
	Species Specificity: Human, mouse, rat, rabbit, pig	IF-P : mous		prain tissue,	
	Cited Species: mouse		FC (Intra) : Neuro-2a cells,		
	Note-IHC: suggested antigen ro TE buffer pH 9.0; (*) Alternativ retrieval may be performed whether and the second	vely, antigen			
	buffer pH 6.0				
Background Information	DCLK1 (Serine/threonine-protein kina CAMK Ser/Thr protein kinase family. and it also has microtubule-polymeri 11124993). It plays a unique role in m proliferation and their radial process	It is a microtubule-ass zing activity that is ind nitotic spindle integrit stability. DCLK1 is a un 3202126). This protein	ociated kinase dependent of it y during early r nique marker fo		
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For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68234-1-1g (DCLK1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using DCLK1 antibody (68234-1-Ig, Clone: 3C12C1) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L).



1X10^6 Neuro-2a cells were intracellularly stained with 0.4 ug Anti-Human DCLK1 (68234-1-lg, Clone:3C12C1) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-lg, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 68234-1-1g (DCLK1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 68234-1-Ig (DCLK1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 68234-1-Ig (DCLK1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).