

For Research Use Only

DCX Polyclonal antibody

Catalog Number: 13925-1-AP **26 Publications**



Basic Information

Catalog Number: 13925-1-AP	GenBank Accession Number: BC027925	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 1641	Recommended Dilutions: WB 1:2000-1:12000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: O43602	
Isotype: IgG	Full Name: doublecortin	
Immunogen Catalog Number: AG4945	Calculated MW: 402 aa, 45 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : SH-SY5Y cells, fetal human brain tissue IHC : human gliomas tissue, IF : SH-SY5Y cells,
Cited Applications: WB,IF	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse, hamster	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

DCX (Doublecortin) is a microtubule-associated protein that is essential for normal brain development. DCX is expressed in migrating neurons throughout the central and peripheral nervous system during embryonic and postnatal development. Anti-DCX antibodies are widely used for detection of neurogenesis. It's also a common neuron marker since its expression is specific to neurons.

Notable Publications

Author	Pubmed ID	Journal	Application
Li Cheng	36212696	Front Cell Neurosci	IF
Jia Wang	36499306	Int J Mol Sci	WB,IF
Alison A Chomiak	35601919	iScience	WB

Storage

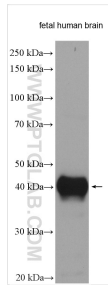
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

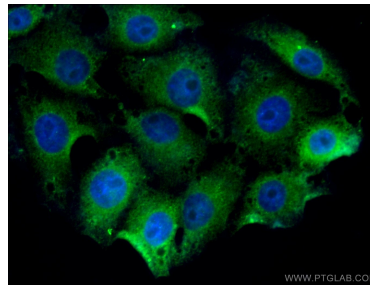
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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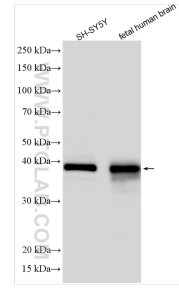
Selected Validation Data



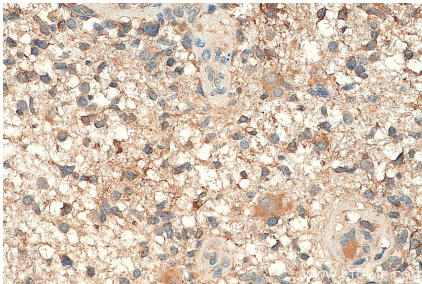
Fetal human brain lysates were subjected to SDS PAGE followed by western blot with 13925-1-AP (DCX antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed SH-SY5Y cells using 13925-1-AP (DCX antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 13925-1-AP (DCX antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 13925-1-AP (DCX antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).