

For Research Use Only

DCX Recombinant antibody

Catalog Number: 84595-4-RR



Basic Information

Catalog Number: 84595-4-RR	GenBank Accession Number: BC027925	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1641	CloneNo.: 241985H1
Source: Rabbit	UNIPROT ID: O43602	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:125-1:500
Isotype: IgG	Full Name: doublecortin	
Immunogen Catalog Number: AG4945	Calculated MW: 402 aa, 45 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : SH-SY5Y cells, fetal human brain tissue IHC : rat brain tissue,
Species Specificity: human, rat	
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.

Storage

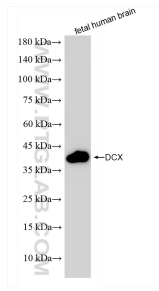
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

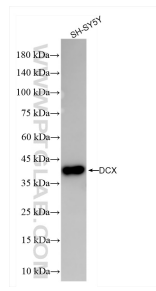
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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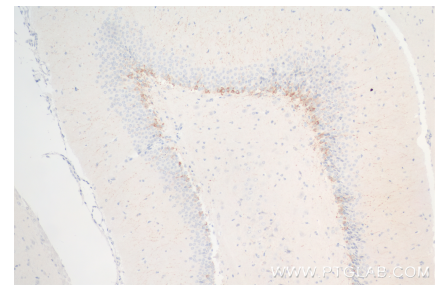
Selected Validation Data



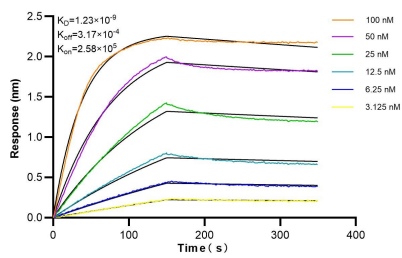
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 84595-4-RR (DCX antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 84595-4-RR (DCX antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 84595-4-RR (DCX antibody) at dilution of 1:250 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 84595-4-RR against Human DCX were performed. The affinity constant is 1.23 nM.