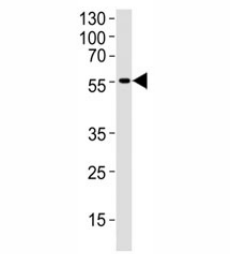
DCX Antibody (F48191)

Catalog No.	Formulation	Size
F48191-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48191-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O43602
Localization	Cytoplasmic
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
Limitations	This DCX antibody is available for research use only.



Western blot analysis of human brain tissue lysate using DCX antibody at 1:1000.
Predicted molecular weight: 40-50 kDa.



IHC analysis of FFPE human skeletal muscle tissue stained with DCX antibody

Description

In the developing cortex, cortical neurons must migrate over long distances to reach the site of their final differentiation. DCX is a cytoplasmic protein which appears to direct neuronal migration by regulating the organization and stability of microtubules. It contains two doublecortin domains, which bind microtubules. In addition, this protein interacts with LIS1, the regulatory gamma subunit of platelet activating factor acetylhydrolase, and this interaction is important to proper microtubule function in the developing cortex. Mutations in the gene encoding DCX are a cause of X-linked lissencephaly.

Application Notes

Titration of the DCX antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 107-137 from the human protein was used as the immunogen for this DCX antibody.

Storage

Aliquot the DCX antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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