Anti-DCX antibody

Cat. No.	ml262787
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-DCX rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human DCX
Reactivity	Human
Content	1.3 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	DCX
Full name	doublecortin

Synonyms	DC; DBCN; LISX; SCLH; XLIS
Swissprot	O43602

Target Background

This gene encodes a member of the doublecortin family. The protein encoded by this gene is a cytoplasmic protein and contains two doublecortin domains, which bind microtubules. In the developing cortex, cortical neurons must migrate over long distances to reach the site of their final differentiation. The encoded protein appears to direct neuronal migration by regulating the organization and stability of microtubules. In addition, the encoded 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.

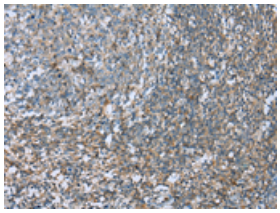
Applications

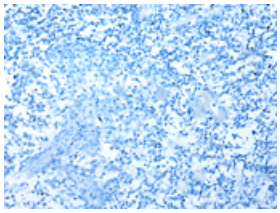
Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human tonsil

Recommended dilution: 25-100



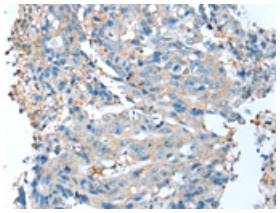


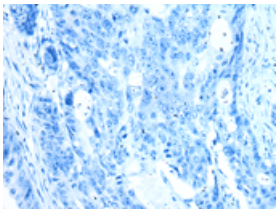
The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using ml262787(DCX Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human colorectal cancer

Recommended dilution: 25-100





The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using ml262787(DCX Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size:49 kDa

Positive control:293T，K562 and Raji cell

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

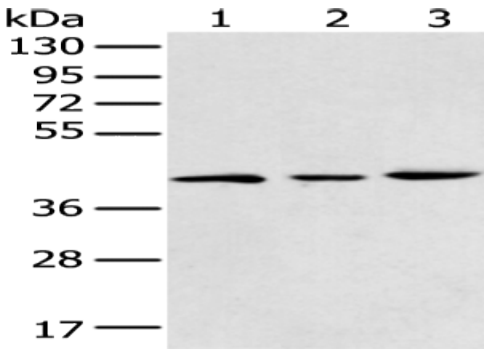
Lysate: 40 μg

Lane 1-3: 293T，K562 and Raji cell

Primary antibody: ml262787(DCX Antibody) at dilution 1/400

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 15 seconds



ELISA

Recommended dilution: 5000-10000

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