

产品名称: DCX Mouse Monoclonal Antibody
产品货号: AMM81147



产品概述 (Summary)

产品名称 (Production Name)	DCX Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,ELISA,FC
种属反应性 (Reactivity)	Human,Mouse,Rat,Rabbit,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	DCX
别名 (Alternative Names)	DC; DBCN; LISX; SCLH; XLIS
基因 ID (Gene ID)	1641.0
蛋白 ID (SwissProt ID)	O43602.Purified recombinant fragment of human DCX (AA: 362-411) expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	49.3kDa

研究背景 (Background)

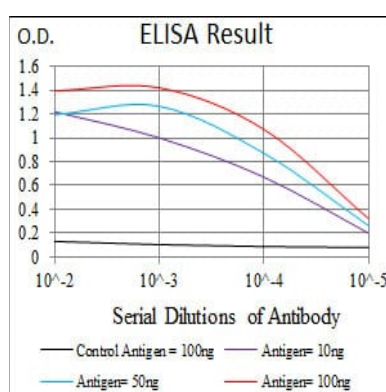
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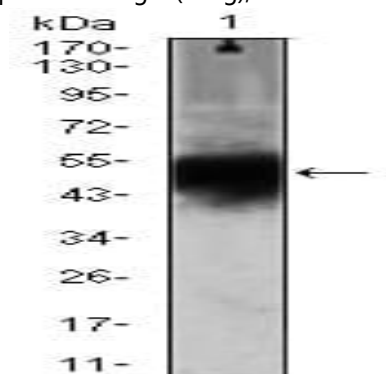
This gene encodes a member of the doublecortin family. The protein encoded by this gene is a cytoplasmic protein and contains two doublecortin domains, which bind microtubules. In the developing cortex, cortical neurons must migrate over long distances to reach the site of their final differentiation. 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. Mutations in this gene cause abnormal migration of neurons during development and disrupt the layering of the cortex, leading to epilepsy, mental retardation, subcortical band heterotopia ("double cortex" syndrome) in females and lissencephaly ("smooth brain" syndrome) in males. Multiple transcript variants encoding different isoforms have been found for this gene.

研究领域 (Research Area)

图片 (Image Data)

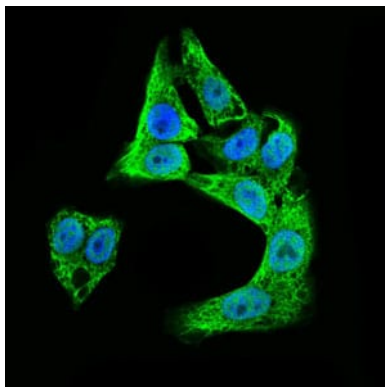


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

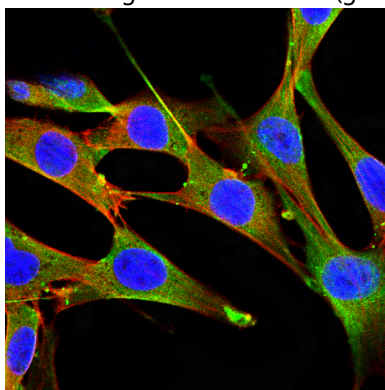


Western blot analysis using DCX mouse mAb against Mouse heart (1) lysate.

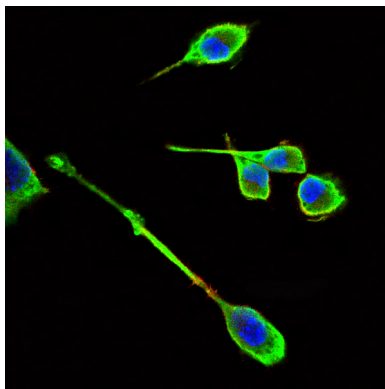
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Immunofluorescence analysis of HepG2 cells using DCX mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

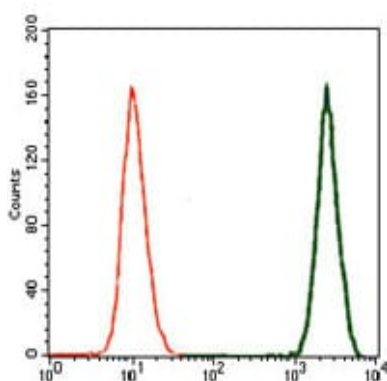


Immunofluorescence analysis of NIH/3T3 cells using DCX mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

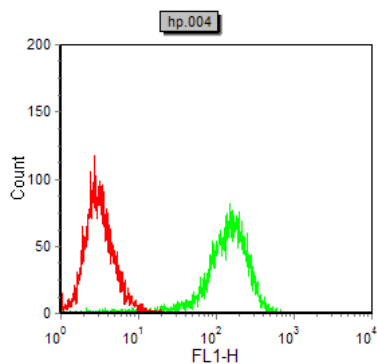


Immunofluorescence analysis of RSC-96 cells using DCX mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

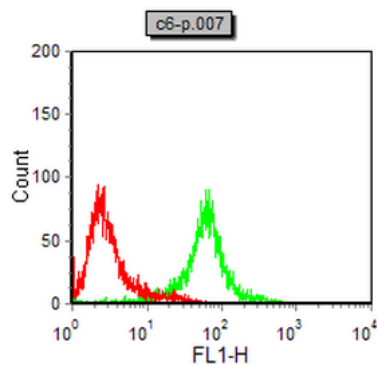
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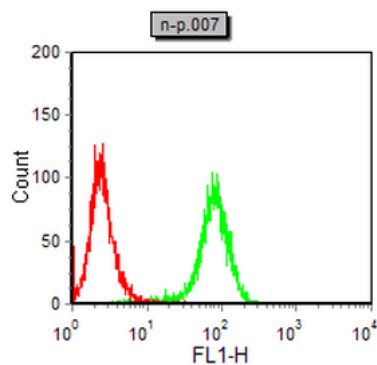
Flow cytometric analysis of SK-N-SH cells using DCX mouse mAb (green) and negative control (red).



Flow cytometric analysis of Hela cells using DCX mouse mAb (green) and negative control (red).



Flow cytometric analysis of C6 cells using DCX mouse mAb (green) and negative control (red).



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Flow cytometric analysis of NIH/3T3 cells using DCX mouse mAb (green) and negative control (red).

注意事项 (Note)

For research use only .