

# Doublecortin Monoclonal Antibody (2G5)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	2G5
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human DCX (Isoform 2: amino acids 281-334) expressed in E. Coli.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2538537

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:1,000	1 Publication
Immunocytochemistry (ICC/IF)	1:200-1:1,000	1 Publication
Flow Cytometry (Flow)	1:200-1:400	-
ELISA (ELISA)	1:10,000	-

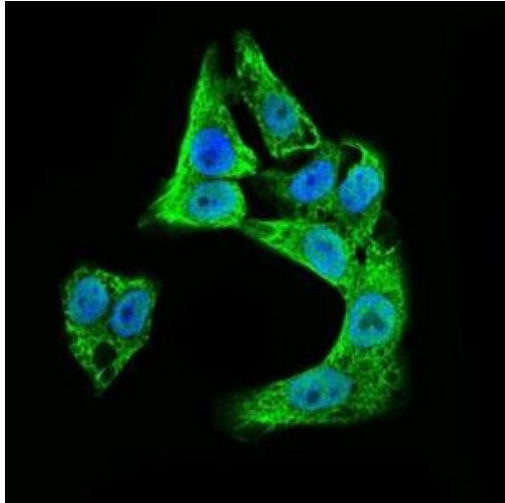
## Product Specific Information

MA5-17066 targets DCX in indirect ELISA, FACS, ICC, IHC, IF and WB applications and shows reactivity with Human samples.

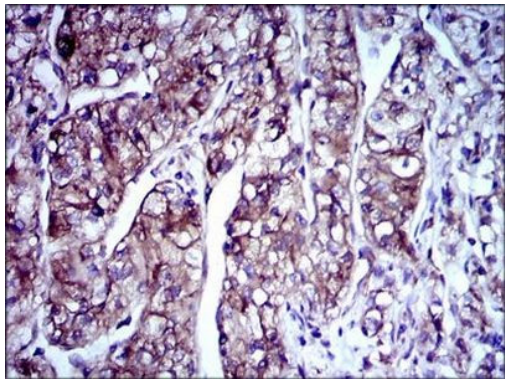
The MA5-17066 immunogen is purified recombinant fragment of human DCX (amino acids: 362-411) expressed in E. Coli.

MA5-17066 detects DCX which has a predicted molecular weight of approximately 49.3kDa.

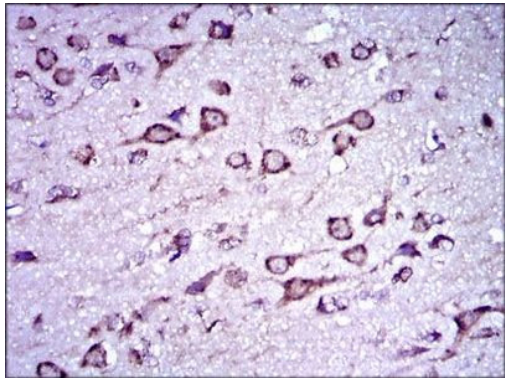
Product Images For Doublecortin Monoclonal Antibody (2G5)



**Doublecortin Antibody (MA5-17066) in ICC/IF**  
Immunofluorescence analysis of HepG2 cells using DCX monoclonal antibody (Product # MA5-17066) (Green). Blue: DRAQ5 fluorescent DNA dye.



**Doublecortin Antibody (MA5-17066) in IHC (P)**  
Immunohistochemical analysis of paraffin-embedded kidney cancer tissues using DCX monoclonal antibody (Product # MA5-17066) followed with DAB staining.



**Doublecortin Antibody (MA5-17066) in IHC (P)**  
Immunohistochemical analysis of paraffin-embedded brain tissue tissues using DCX monoclonal antibody (Product # MA5-17066) followed with DAB staining.

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Immunohistochemistry (1)

<b>Molecules (Basel, Switzerland)</b>	<b>Year</b> 2021
<b>Neuroprotection of <i>N</i>-benzyl Eicosapentaenamide in Neonatal Mice Following Hypoxic-Ischemic Brain Injury.</b>	<b>Species</b> Mouse
"MA5-17066 was used in Immunohistochemistry (Paraffin) to investigate the neuroprotective role of N-benzyl eicosapentaenamide (NB-EPA) in hypoxic-ischemic brain injury."	<b>Dilution</b> 1:400
Authors: Jiao M,Dong Q,Zhang Y,Lin M,Zhou W,Liu T,Yuan B,Yin H	

Immunohistochemistry (Paraffin) (1)

<b>Molecules (Basel, Switzerland)</b>	<b>Year</b> 2021
<b>Neuroprotection of <i>N</i>-benzyl Eicosapentaenamide in Neonatal Mice Following Hypoxic-Ischemic Brain Injury.</b>	<b>Species</b> Mouse
"MA5-17066 was used in Immunohistochemistry (Paraffin) to investigate the neuroprotective role of N-benzyl eicosapentaenamide (NB-EPA) in hypoxic-ischemic brain injury."	<b>Dilution</b> 1:400
Authors: Jiao M,Dong Q,Zhang Y,Lin M,Zhou W,Liu T,Yuan B,Yin H	

Immunocytochemistry (1)

<b>Developmental cell</b>	<b>Year</b> 2020
<b>A Combinatorial MAP Code Dictates Polarized Microtubule Transport.</b>	<b>Species</b> Mouse
"MA5-17066 was used in Immunocytochemistry-immunoflourescence to propose a general "MAP code" that has the capacity to strongly bias directed movement along microtubules and helps elucidate the intricate intracellular sorting observed in highly polarized cells such as neurons."	<b>Dilution</b> 1:500
Authors: Monroy BY,Tan TC,Oclaman JM,Han JS,Simó S,Niwa S,Nowakowski DW,McKenney RJ,Ori-McKenney KM	

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