



# Anti-DCX (aa 151-161) polyclonal antibody (DPABH-03257)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Seems to be required for initial steps of neuronal dispersion and cortex lamination during cerebral cortex development. May act by competing with the putative neuronal protein kinase DCAMKL1 in binding to a target protein. May in that way participate in a signaling pathway that is crucial for neuronal interaction before and during migration, possibly as part of a calcium ion-dependent signal transduction pathway. May be part with LIS-1 of an overlapping, but distinct, signaling pathways that promote neuronal migration.
<b>Specificity</b>	DPABH-03257 is expected to recognize all four reported isoforms (NP_000546.2; NP_835365.1; NP_835364.1; NP_001182482.1). Reported variants represent identical protein: NP_835364.1 and NP_835366.1.
<b>Immunogen</b>	Synthetic peptide: C-KTSANMKAPQS, corresponding to internal sequence amino acids 151-161 of Human Doublecortin (NP_835365.1; NP_835364.1; NP_001182482.1.), or amino acids 232-242 of Human Doublecortin (NP_000546.2).
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Size</b>	200 µl

<b>Buffer</b>	pH: 7.30; Constituents: 99% Tris buffered saline, 0.5% BSA
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DCX doublecortin [ Homo sapiens ]</a>
<b>Official Symbol</b>	DCX
<b>Synonyms</b>	DCX; doublecortin; DC; DBCN; LISX; SCLH; XLIS; neuronal migration protein doublecortin; lis-X; doublin; doublecortex; lissencephalin-X;
<b>Entrez Gene ID</b>	<a href="#">1641</a>
<b>Protein Refseq</b>	<a href="#">NP_000546.2</a>
<b>UniProt ID</b>	<a href="#">O43602</a>
<b>Pathway</b>	Axon guidance; L1CAM interactions; Neurofascin interactions;
<b>Function</b>	microtubule binding; protein kinase binding;