



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

Antigen Description	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.
Specificity	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.
Immunogen	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).
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	200 µl

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

GENE INFORMATION

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