

## Goat anti-Doublecortin / DCX (aa232-242) Antibody

<b>Item Number</b>	dAP-2352
<b>Target Molecule</b>	Principle Name: Doublecortin / DCX (aa232-242); Official Symbol: DCX; All Names and Symbols: DCX; doublecortin; RP5-914P14.1; DBCN; DC; FLJ51296; LISX; SCLH; XLIS; OTTHUMP00000023860; OTTHUMP00000216316; doublecortex; doublin; lis-X; lissencephalin-X; neuronal migration protein doublecortin; Accession Number (s): NP_000546.2; NP_835365.1; NP_835364.1; NP_001182482.1; Human Gene ID(s): 1641; Non-Human GeneID(s): 13193 (mouse) 84394 (rat)
<b>Immunogen</b>	KTSANMKAPQS, is from internal region This antibody 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
<b>Applications</b>	Pep ELISA, WB, IHC, IF  Species Tested: Human, Mouse
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	Western Blot: Approx 45kDa band observed in Mouse fetal Brain lysates (calculated MW of 49.3kDa according to Human NP_000546.2 and 40.6kDa according to Human NP_835365.1 and Mouse NP_001103692.1). Recommended concentration: 0.01-0.03µg/ml. Primary incub
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Cerebellum shows axonal and incidental nuclear staining. Recommended concentration: 2-4µg/ml.
<b>Reference</b>	Reference(s): Evangelisti C, Florian MC, Massimi I, Dominici C, Giannini G, Galardi S, BuÃ MC, Massalini S, McDowell HP, Messi E, Gulino A, Farace MG, CiafrÃ SA, MiR-128 up-regulation inhibits Reelin and DCX expression and reduces neuroblastoma cell motility and invasiveness. The FASEB journal : official

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**