



Goat anti-Doublecortin (mouse) Antibody

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| Item Number | dAP-2688 |
| Target Molecule | Principle Name: Doublecortin (mouse); Official Symbol: Dcx; All Names and Symbols: Dcx; doublecortin; Dbct; OTTMUSP00000020394; OTTMUSP00000020395; OTTMUSP00000020396; OTTMUSP00000020397; doublecortex; doublin; lis-X; lissencephalin-X; lissencephaly, X-linked (doublecortin); neuronal migration protein doublecortin; Accession Number (s): NP_001103692.1; NP_001103694.1; NP_034155.2; Human Gene ID(s): 1641; Non-Human GeneID(s): 13193 (mouse) 84394 |
| Immunogen | PKASPTPQKTSAKS, is from internal region This antibody is expected to recognize all reported mouse isoforms (NP_001103692.1; NP_001103694.1; NP_034155.2). Reported variants represent identical protein: NP_001103692.1, NP_001103693.1 |
| Applications | Pep ELISA, WB, IF Species Tested: Human, Mouse |
| Purification | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Supplied As | 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. |
| Peptide ELISA | Peptide ELISA: antibody detection limit dilution 1 to 128000. |
| Western Blot | Western Blot: Approx 40kDa band observed in Mouse fetal Brain lysates (calculated MW of 40.6kDa according to NP_001103692.1). Recommended concentration: 0.5-2µg/ml. Primary incubation was 1 hour. |
| IHC | |
| Reference | Reference(s): Klempin F, Kronenberg G, Cheung G, Kettenmann H, Kempermann G. Properties of doublecortin-(DCX)-expressing cells in the piriform cortex compared to the neurogenic dentate gyrus of adult mice. PLoS One. 2011;6(10):e25760..PMID: 22022443-> |

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**