Goat anti-DYX1C1 (Isoform a) Antibody

Item Number	dAP-0628
Target Molecule	Principle Name: DYX1C1 (Isoform a); Official Symbol: DYX1C1; All Names and Symbols: DYX1C1; DYX1; EKN1; DYXC1; FLJ37882; dyslexia susceptibility 1 candidate 1; MGC70618; RD; Accession Number (s): NP_570722.2; Human Gene ID(s): 161582; Non-Human GeneID(s): 67685 (mouse)
Immunogen	KIRNVIQGTELKS, is from C Terminus This antibody is expected to recognise only one of the three reported isoforms (NP_570722.2, isoform a).
Applications	Pep ELISA, WB, IHC Species Tested: Human
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; Reconsititute 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 16000.
Western Blot	Western Blot: Lysates of COS1 transfected with full length recombinant Human DYX1C1 gave bands at approx 48kDa after 0.1µg/ml antibody staining. In addition, a minor band of 24kDa is detected consistent with observations with N-terminal specific antibod
IHC	Immunohistochemistry: In paraffin embedded Human Cerebral Cortex shows cytoplasm staining in some of the neuronal cells. Recommended concentration, 5-10µg/ml.
Reference	Reference(s): Taipale M, Kaminen N, Nopola-Hemmi J, Haltia T, Myllyluoma B, Lyytinen H, Muller K, Kaaranen M, Lindsberg PJ, Hannula-Jouppi K, Kere J. A candidate gene for developmental dyslexia encodes a nuclear tetratricopeptide repeat domain protein dynamically regulated in brain. Proc Natl Acad Sci U S A.

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