

Goat anti-DYRK1A Antibody

Item Number	dAP-2741
Target Molecule	Principle Name: DYRK1A; Official Symbol: DYRK1A; All Names and Symbols: DYRK1A; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A; DYRK; DYRK1; HP86; MNB; MNBH; MRD7; MNB/DYRK protein kinase; OTTHUMP00000109090; OTTHUMP00000109091; OTTHUMP00000109094; OTTHUMP00000174799; dual specificity YAK1-related kinase; d; Accession Number (s): NP_001387.2; NP_569120.1; NP_567824.1; NP_569122.1; Human Gene ID(s): 1859; Non-Human GeneID(s): 13548
Immunogen	PHSHQYSRRQPN, is from N Terminus This antibody is expected to recognize all reported isoforms (NP_001387.2; NP_569120.1; NP_567824.1; NP_569122.1). This antibody is not expected to cross-react with DYRK1B.
Applications	Pep ELISA, WB 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; 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 64000.
Western Blot	Western Blot: Approx 80kDa band observed in lysates of cell line K562 (calculated MW of 85.6kDa according to NP_001387.2). Recommended concentration: 0.5-2µg/ml.
IHC	
Reference	Reference(s): Miyata Y, Nishida E. DYRK1A binds to an evolutionarily conserved WD40-repeat protein WDR68 and induces its nuclear translocation. Biochim Biophys Acta. 2011 Oct;1813(10):1728-39..PMID: 21777625->

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**