

DYRK2 Antibody HRP Conjugated

Catalog No: #C01913H

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Description

Product Name	DYRK2 Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IHC-P IHC-F ICC/IF ELISA
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human DYRK2
Conjugates	HRP
Target Name	DYRK2
Other Names	1810038L18Rik; Dual specificity tyrosine Y phosphorylation regulated kinase 2; Dual specificity tyrosine phosphorylation regulated kinase 2; Dual specificity tyrosine-phosphorylation-regulated kinase 2; DYRK2; DYRK2_HUMAN; EC 2.7.12.1; FLJ21217; FLJ21365.
Accession No.	NCBI Gene ID8445
Concentration	1mg ml
Formulation	10mM Tris Buffered Saline containing 1% BSA, 50% glycerol and 0.09% Gentamicin.
Storage	Store at 4C for 12 months.

Application Details

IHC-P (1:100-500), IHC-F (1:100-500),

ICC/IF (1:100-500), ELISA (1:5000-10000)

Background

Dyrk is the homolog of the *Drosophila mnb* (minibrain) gene, which is required for neurogenesis (1a3). Dyrk is a dual-specificity tyrosine kinase and serine threonine kinase, which is itself regulated by tyrosine phosphorylation (1). Several mammalian Dyrk related proteins have been identified and are thought to compose a family of dual specificity protein kinases (4). Dyrk family members, including Dyrk1A (originally Dyrk), Dyrk1B, Dyrk1C, Dyrk2, Dyrk3, Dyrk4A and Dyrk4B, are thought to be involved in diverse cellular functions (4). Dyrk1A is a candidate gene that may be involved in Down syndrome, and it has been found to be somewhat overexpressed in Down syndrome (1,5). Two isoforms of human fetal brain Dyrk2 exist: a deduced 528-amino acid protein and a protein containing 73 additional amino acids at the amino terminus (4). Dyrk3 is strongly expressed in testis, only after the onset of spermatogenesis, and very weakly expressed in spleen and adrenal gland (1). The genes which encode Dyrk2 and Dyrk3 map to human chromosomes 12 and 1q32, respectively (4).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.