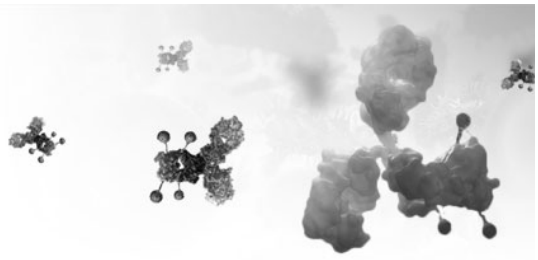

Anti-DYRK3 monoclonal antibody (DCABH-11349)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene product belongs to the DYRK family of dual-specificity protein kinases that catalyze autophosphorylation on serine/threonine and tyrosine residues. The members of this family share structural similarity, however, differ in their substrate specificity, suggesting their involvement in different cellular functions. The encoded protein has been shown to autophosphorylate on tyrosine residue and catalyze phosphorylation of histones H3 and H2B in vitro. Alternatively spliced transcript variants encoding different isoforms have been identified.
Immunogen	A synthetic peptide of human DYRK3 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	DYRK3 dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3 [Homo sapiens]
Official Symbol	DYRK3
Synonyms	DYRK3; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3; dual specificity tyrosine-phosphorylation-regulated kinase 3; dual specificity tyrosine (Y) phosphorylation regulated kinase 5; hYAK3 2; protein kinase Dyrk3; RED; REDK; regulatory erythroid kinase; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 5; DYRK5; hYAK3-2;
Entrez Gene ID	8444
Protein Refseq	NP_001004023
UniProt ID	O43781
Chromosome Location	1q32
Function	ATP binding; ATP binding; magnesium ion binding; nucleotide binding; protein kinase activity; protein kinase activity; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity; protein tyrosine kinase activity;

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