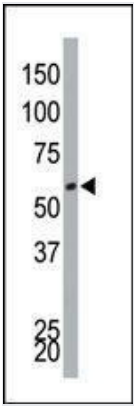
DYRK4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DYRK4, Polyclonal Antibody
Full Product Name	DYRK4, CT (Dual-specificity Tyrosine-phosphorylation Regulated Kinase 4)
Product Gene Name	anti-DYRK4 antibody
Product Synonym Names	Anti -DYRK4, CT (Dual-specificity Tyrosine-phosphorylation Regulated Kinase 4)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein G affinity chromatography.
Specificity	Recognizes human DYRK4.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	59,608 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (4699244..4723041). Location: 12p13.32
OMIM	609181
3D Structure	ModBase 3D Structure for Q9NR20
Immunogen	Synthetic peptide selected from the C-terminal region of human DYRK4 (KLH).
Product Categories/Family for anti-DYRK4 antibody	Antibodies; Abs to Protein Kinases
Applications Tested/Suitable for anti-DYRK4 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-DYRK4 antibody	Suitable for use in ELISA and Western Blot. Dilution: ELISA: 1:1,000 Western Blot: 1:100-1:500
Related Product Information for anti-DYRK4 antibody	Dual-specificity kinases, such as DYRK4, play key roles in cell proliferation, survival, and development (Zhang et al., 2005 [PubMed 15607427]).[supplied by OMIM]
Other Notes	Small volumes of anti-DYRK4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DYRK4 purchase	MBS629998 is an antibody targeting DYRK4. Also known as DYRK4, CT (Dual-specificity Tyrosine-phosphorylation Regulated Kinase 4). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-DYRK4 antibody
The anti-DYRK4 Pab is used in Western blot to detect DYRK4 in Jurkat cell lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DYRK4. It may not necessarily be applicable to this product.

NCBI GI #	28827774
NCBI GeneID	8798
NCBI Accession #	NP_003836.1
UniProt Primary Accession #	Q9NR20
UniProt Secondary Accession #	Q8NEF2; Q92631
UniProt Related Accession #	Q9NR20
GenBank Nucleotide #	NM_003845.1
NCBI Official Full Name	dual specificity tyrosine-phosphorylation-regulated kinase 4
NCBI Official Synonym Full Names	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4
NCBI Official Symbol	DYRK4
UniProt Protein Name	Dual specificity tyrosine-phosphorylation-regulated kinase 4
Protein Family	Dual specificity tyrosine-phosphorylation-regulated kinase
UniProt Gene Name	DYRK4
UniProt Entry Name	DYRK4_HUMAN
NCBI Protein Information	dual specificity tyrosine-phosphorylation-regulated kinase 4; OTTHUMP00000238290; OTTHUMP00000238291; OTTHUMP00000238292
UniProt Comments for DYRK4	DYRK4: a dual-specificity protein kinase of the DYRK family. Its expression is up-regulated by retinoic-acid-induced differentiation of a human neuronal precursor teratocarcinoma cell line. Protein type: Protein kinase, CMGC; Kinase, protein; Protein kinase, dual-specificity (non-receptor); EC 2.7.12.1; CMGC group; DYRK family; Dyrk2 subfamily Chromosomal Location of Human Ortholog: 12p13.32 Cellular Component: intracellular membrane-bound organelle; cytoplasm; nucleus Molecular Function: protein serine/threonine kinase activity; protein binding; metal ion binding; protein-tyrosine kinase activity; protein serine/threonine/tyrosine kinase activity; ATP binding Biological Process: peptidyl-tyrosine phosphorylation

Research Articles on DYRK4	**1.** Dyrk4 is a testis-specific kinase with a very restricted expression to stage VIII postmeiotic spermatids.
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