Human Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (DYRK1A) ELISA Kit | DYRK1A elisa kit

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CATALOG #	REACTIVITY
AAA187465	**Human**

PRODUCT SYNONYMS

Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (DYRK1A); Human Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (DYRK1A) ELISA Kit; DYRK; DYRK1; HP86; MNB; MNBH; Dual specificity YAK1-related kinase; Protein kinase minibrain homolog; DYRK1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (DYRK1A). No significant cross-reactivity or interference between Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (DYRK1A) and analogues was observed.
Sequence Length	584
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.116ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (DYRK1A) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (DYRK1A) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DYRK1A elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (DYRK1A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (DYRK1A). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (DYRK1A), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (DYRK1A) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18765758
NCBI GeneID	1859
NCBI Accession #	NP_001387.2
NCBI GenBank Nucleotide #	NM_001396.4
UniProt Accession #	Q13627; O60769; Q92582; Q92810; Q9UNM5
Molecular Weight	66,099 Da
NCBI Official Full Name	dual specificity tyrosine-phosphorylation-regulated kinase 1A isoform 1
NCBI Official Synonym Full Names	dual specificity tyrosine phosphorylation regulated kinase 1A
NCBI Official Symbol	DYRK1A
NCBI Official Synonym Symbols	MNB; DYRK; HP86; MNBH; MRD7; DYRK1
NCBI Protein Information	dual specificity tyrosine-phosphorylation-regulated kinase 1A
UniProt Protein Name	Dual specificity tyrosine-phosphorylation-regulated kinase 1A
UniProt Gene Name	**DYRK1A**
UniProt Synonym Gene Names	DYRK; MNB; MNBH; MNBH; hMNB

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/human-elisa-kits/dual-specificity-tyrosine-phosphorylation-regulated-kinase-1a-dyrk1a/187465