Datasheet for ABIN1695787

anti-DYRK2 antibody (AA 425-480) (AbBy Fluor® 488)

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Overview

Quantity:	100 µL
Target:	DYRK2
Binding Specificity:	AA 425-480
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DYRK2 antibody is conjugated to AbBy Fluor® 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DYRK2
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	DYRK2
Alternative Name:	DYRK2 (DYRK2 Products)

Target Details

Background:	Synonyms: 1810038L18Rik, Dual specicity tyrosine Y phosphorylation regulated kinase 2, Dual specicity tyrosine phosphorylation regulated kinase 2, Dual specicity tyrosine-phosphorylation-regulated kinase 2, DYRK2, DYRK2_HUMAN, EC 2.7.12.1, FLJ21217, FLJ21365. Background: Dyrk is the homolog of the Drosophila mnb (minibrain) gene, which is required for neurogenesis (13). 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, Dryk1C, 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 Downs syndrome, and it has been found to be somewhat overexpressed in Downs 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).
Gene ID:	8445
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months