

Datasheet for ABIN783436

anti-DYRK2 antibody (C-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	0.1 mg
Target:	DYRK2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DYRK2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	18 amino acid peptide near the carboxy terminus of human DYRK2
Specificity:	This antibody detects DYRK2 at C-term. Two isoforms of DYRK2 are known to exist, this antibody will recognize both isoforms. DYRK2 antibody will not cross-react with other DYRK family members.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	DYRK2
Alternative Name:	DYRK2 (DYRK2 Products)

Target Details

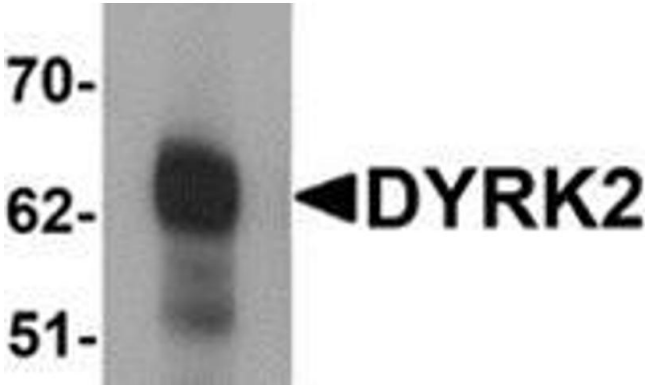
Background:	DYRK2 is a member of the dual-specificity tyrosine phosphorylation-regulated kinase (DYRK) family that is thought to be involved in cellular proliferation and apoptosis. Under normal conditions, nuclear but not cytoplasmic DYRK2 is ubiquitinated by MDM2, leading to its constitutive degradation. However, upon exposure to genotoxic stress, ATM phosphorylates DYRK2, leading to its dissociation from MDM2 and its phosphorylation of p53, thereby inducing apoptosis. Recent evidence also suggests that DYRK2 may serve as a scaffold that facilitates assembly of an E3 ubiquitin ligase. Synonyms: Dual specificity tyrosine-phosphorylation-regulated kinase 2
Gene ID:	8445
NCBI Accession:	NP_003574
UniProt:	Q92630
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of DYRK2 in 293 cell lysate with DYRK2 antibody at (A) 1 and (B) 2 µg/ml.