

Datasheet for 600-401-AY3**DYRK2 Antibody****Overview**

Description:	Anti-DYRK2 (RABBIT) Antibody - 600-401-AY3
Item No.:	600-401-AY3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product 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:	DYRK2 Antibody, Dual specificity tyrosine-phosphorylation-regulated kinase 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DYRK2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DYRK2 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the C-terminus of human DYRK2.

Purity/Specificity:	Anti-DYRK2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. 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.
Relevant Links:	• UniProtKB - Q92630 • GeneID - 8445 • NCBI - NP_006473

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-DYRK2 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 66 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
WB:	1-2 µg/mL

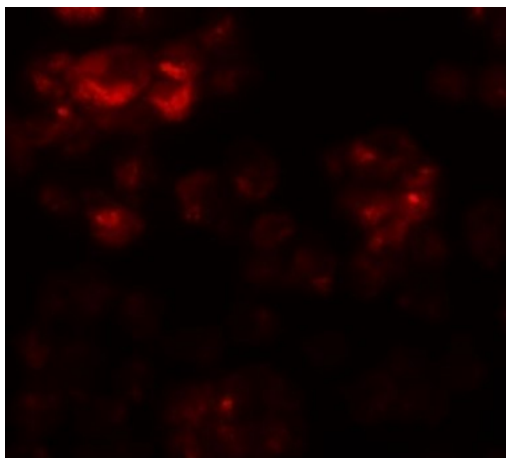
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy

Immunofluorescence of DYRK2.

Cell: 293 cells.

Primary Antibody: DYRK2 antibody at 20 µg/mL.

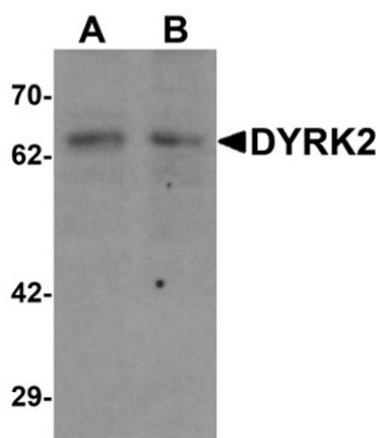


Immunocytochemistry

Immunocytochemistry of DYRK2.

Cell: 293 cells.

Primary Antibody: DYRK2 antibody at 10 µg/mL.



Western Blot

Western blot analysis of DYRK2.

Load: 293 cell lysate.

Primary Antibody: DYRK2 antibody at (A) 1µg/mL and (B) 2 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.