BOSTER BIOLOGICAL TECHNOLOGY
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Anti-DYRK2 Antibody

Catalog Number: A03498

About DYRK2

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.

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Overview

Product Name	Anti-DYRK2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-DYRK2 Antibody (Catalog # A03498). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	DYRK2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	DYRK2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q92630

Technical Details

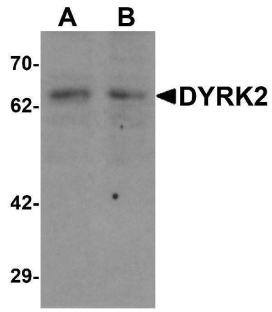
Immunogen	DYRK2 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human DYRK2. The immunogen is located within amino acids 520 - 570 of DYRK2.
Predicted Reactive Species	Chicken, Mouse
Cross Reactivity	Two isoforms of DYRK2 are known to exist; this antibody will recognize both isoforms. DYRK2

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	antibody will not cross-react with other DYRK family members.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	DYRK2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	DYRK2 antibody can be used for detection of DYRK2 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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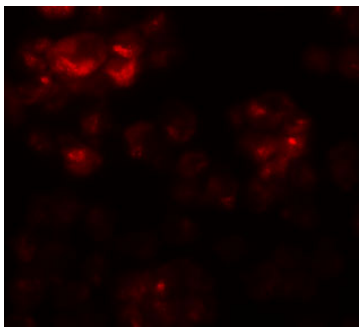
Anti-DYRK2 Antibody (A03498) Images



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



Immunocytochemistry of DYRK2 in 293 cells with DYRK2 antibody at 10 ug/mL.



Immunofluorescence of DYRK2 in 293 cells with DYRK2 antibody at 20 ug/mL.

Anti-DYRK2 Antibody

For Research Use Only. Not for use in diagnostic procedures.