

Datasheet for ABIN657991

anti-DYRK2 antibody (C-Term)**4** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	DYRK2
Binding Specificity:	AA 521-549, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DYRK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Mouse Dyrk2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 521-549 amino acids from the C-terminal region of mouse Dyrk2.
Clone:	RB34467
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	DYRK2
Alternative Name:	Dyrk2 (DYRK2 Products)
Background:	Role in the regulation of cellular growth and/or development. Regulates TP53 by

Target Details

phosphorylation on Ser-46 to induce apoptosis in response to DNA damage, functioning downstream of ATM. Inactivates GYS1 by phosphorylation at Ser-641, and potentially also a second phosphorylation site, thus regulating glycogen synthesis. Phosphorylates EIF2B5 at Ser-544, enabling its subsequent phosphorylation and inhibition by GSK3, and may play a more general role in the priming of GSK3 substrates (By similarity).

Molecular Weight: 66556

Gene ID: 69181

NCBI Accession: [NP_001014412](#)

UniProt: [Q5U4C9](#)

Pathways: [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: WB: 1:2000. WB: 1:1000. WB: 1:8000. IHC-P: 1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

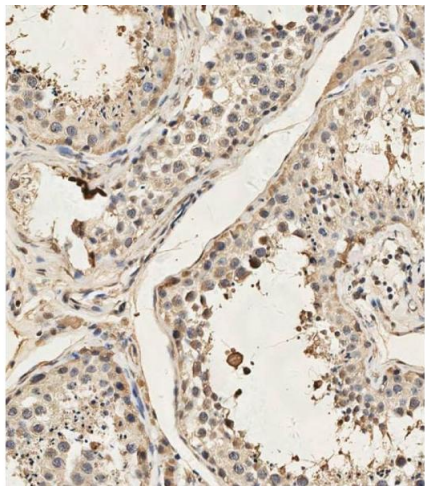
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

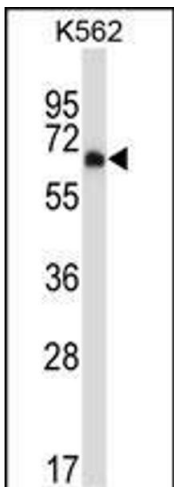
Storage Comment: Mouse Dyrk2 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



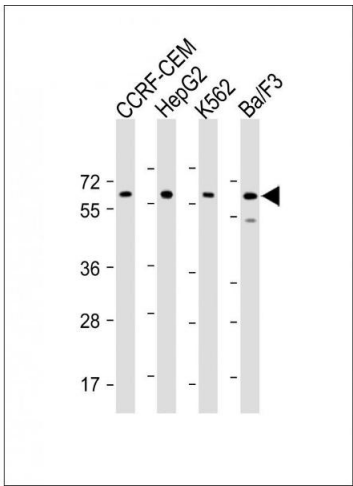
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. (ABIN657991 and ABIN2846937) staining Dyrk2 in human testis tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Samples were incubated with primary antibody (1/100) for 1 hours at room temperature. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Western Blotting

Image 2. Mouse Dyrk2 Antibody (C-term) (ABIN657991 and ABIN2846937) western blot analysis in K562 cell line lysates (35 µg/lane). This demonstrates the Dyrk2 antibody detected the Dyrk2 protein (arrow).



Western Blotting

Image 3. All lanes : Anti-Dyrk2 Antibody (C-term) at 1:2000 dilution Lane 1: CCRF-CEM whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: K562 whole cell lysate Lane 4: Ba/F3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 67 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN657991.