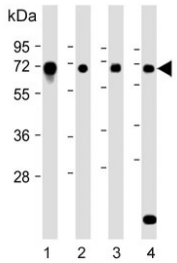
DYRK2 Antibody (F54682)

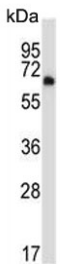
Catalog No.	Formulation	Size
F54682-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54682-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

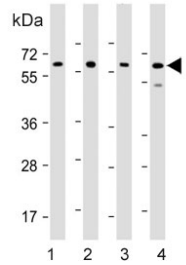
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q5U4C9
Localization	Cytoplasmic, nuclear
Applications	Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:25
Limitations	This DYRK2 antibody is available for research use only.



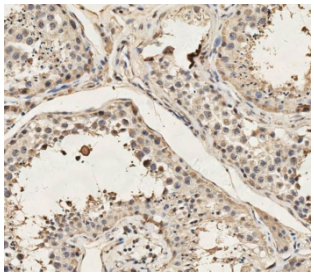
Western blot testing of 1) human HeLa, 2) human HepG2, 3) human SK-OV-3 and 4) mouse C2C12 cell lysate with DYRK2 antibody. Predicted molecular weight ~67 kDa.



Western blot testing of human K562 cell lysate with DYRK2 antibody. Predicted molecular weight ~67 kDa.



Western blot testing of 1) human CCRF-CEM, 2) human HepG2, 3) human K562 and 4) mouse Ba/F3 cell lysate with DYRK2 antibody. Predicted molecular weight ~67 kDa.



IHC testing of FFPE human testis tissue with DYRK2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

Role in the regulation of cellular growth and/or development. Regulates TP53 by 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).

Application Notes

The stated application concentrations are suggested starting points. Titration of the DYRK2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 521-549 from the mouse protein was used as the immunogen for the DYRK2 antibody.

Storage

Aliquot the DYRK2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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