

For Research Use Only

DYRK2 Polyclonal antibody, PBS Only

Catalog Number: 21979-1-PBS



Basic Information

Catalog Number:

21979-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13480

GenBank Accession Number:

BC006375

GeneID (NCBI):

8445

UNIPROT ID:

Q92630

Full Name:

dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2

Calculated MW:

67 kDa

Observed MW:

67-70 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

DYRK (Dual-specificity tyrosine phosphorylation-regulated kinase 2) is the only member of the Dual-specificity tyrosine phosphorylation-regulated Kinase (DYRK) family that functions as a kinase activity-independent scaffold for an E3 ubiquitin ligase complex (PMID: 33376136). DYRK2 is involved in cell survival, development, differentiation, gene transcription, proteasomal regulation, and microtubule formation. DYRK2 is a key regulator of cell cycle and apoptosis in response to DNA damage via phosphorylation of p53. DYRK2 has two isoforms and is mostly localized in the cytoplasm; however, it accumulates in the nucleus under genotoxic stress conditions (PMID: 31505048, 37886981).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

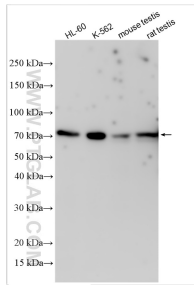
For technical support and original validation data for this product please contact:

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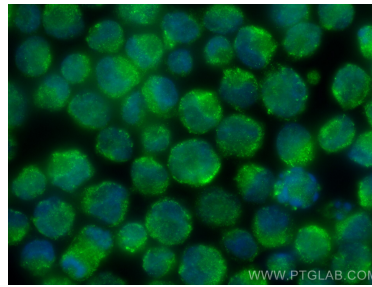
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21979-1-AP (DYRK2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 21979-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using DYRK2 antibody (21979-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 21979-1-PBS in a different storage buffer formulation.