

For Research Use Only

DYRK2 Polyclonal antibody

Catalog Number: 21979-1-AP



Basic Information

Catalog Number:

21979-1-AP

Concentration:

300 ug/ml

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

Recommended Dilutions:

WB 1:500-1:3000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HL-60 cells, K-562 cells, mouse testis tissue, rat
testis tissue

IF/ICC : K-562 cells,

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

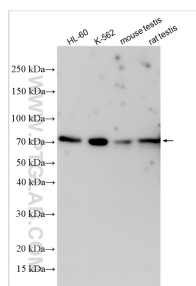
T: 4006900926

E: Proteintech-CN@ptglab.com

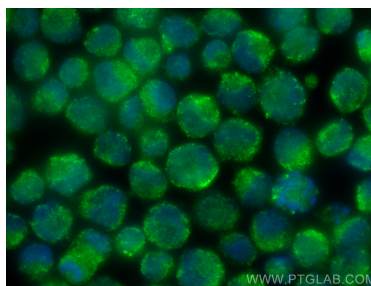
W: ptgcn.com

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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.



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).