

For Research Use Only

DYRK2 Polyclonal antibody

Catalog Number: 21979-1-AP



Basic Information

Catalog Number:

21979-1-AP

Size:

150ul, Concentration: 300 ug/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

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

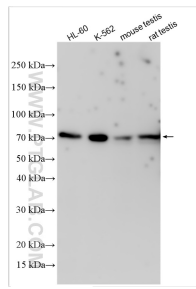
For technical support and original validation data for this product please contact:

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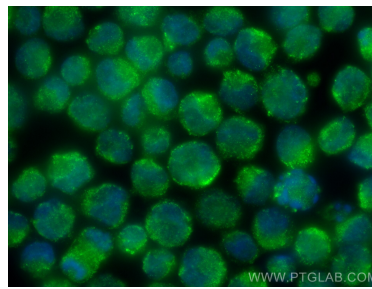
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).