

## Product Data Sheet: DYRK2

**Cat. No:** AB-84136

Size: 100ug
Clone: POLY
Concentration: 1mg/ml

Host: Rb Isotype: IgG

**Immunogen:**Recombinant fusion protein containing a sequence corresponding to amino acids

429-528 of human DYRK2

**Reactivity:** Hu, Ms

Western Blot: 1:500 - 1:1000

**Applications:** Immunohistochemistry: 1:50 – 1:100

Immunofluorescence: 1:20 - 1:100

**Molecular Weight:** 67kDa **Purification:** Aff. Pur.

**Synonyms:** DYRK2; dual specificity tyrosine-phosphorylati on-regulated kinase 2

DYRK2 belongs to a family of protein kinases whose members are presumed to be

involved in cellular growth and/or development. The family is defined by

structural similarity of their kinase domains and their capability to

**Background:** autophosphorylate on tyrosine residues. DYRK2 has demonstrated tyrosine

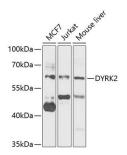
autophosphorylation and catalyzed phosphorylation of histones H3 and H2B in vitro. Two isoforms of DYRK2 have been isolated. The predominant isoform,

isoform 1, lacks a 5' terminal insert.

Form: Liquid

**Buffer:** PBS with 0.02% sodium azide,50% glycerol,pH7.3.

**Storage:** Store at -20°C. Avoid freeze / thaw cycles

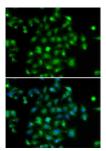


Western blot analysis of extracts of various cell lines, using DYRK2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in

TBST.

Detection: ECL West Pico Plus.



Immunofluorescence analysis of A-549 cells using DYRK2 antibody. Blue: DAPI for nuclear staining.



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Exposure time: 5s.

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