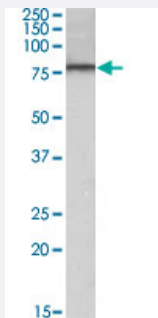


DYRK1A polyclonal antibody

Catalog # PAB27523

Size 100 ug

Applications



Western Blot (Cell lysate)

DYRK1A polyclonal antibody (Cat # PAB27523) (0.5ug/ml) staining of K562 lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of DYRK1A.

Immunogen A synthetic peptide corresponding to N-terminus of human DYRK1A.

Sequence PHSHQYSDRRQPN

Host Goat

Theoretical MW (kDa) 80

Reactivity Chicken, Dog, Human, Mouse, Pig, Rat

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Recommend Usage
ELISA (1:64000)
Western Blot (0.5-2ug/ml)
The optimal working dilution should be determined by the end user.

Storage Buffer In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — DYRK1A

Entrez GeneID[1859](#)**Protein Accession#**[NP_001387.2;NP_569120.1;NP_567824.1;NP_569122.1](#)**Gene Name**

DYRK1A

Gene Alias

DYRK, DYRK1, HP86, MNB, MNBH

Gene Description

dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A

Omim ID[600855](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the Dual-specificity tyrosine phosphorylation-regulated kinase (DYRK) family. This member contains a nuclear targeting signal sequence, a protein kinase domain, a leucine zipper motif, and a highly conservative 13-consecutive-histidine repeat. It catalyzes its autophosphorylation on serine/threonine and tyrosine residues. It may play a significant role in a signaling pathway regulating cell proliferation and may be involved in brain development. This gene is a homolog of Drosophila *mnb* (minibrain) gene and rat *Dyrk* gene. It is localized in the Down syndrome critical region of chromosome 21, and is considered to be a strong candidate gene for learning defects associated with Down syndrome. Alternative splicing of this gene generates several transcript variants differing from each other either in the 5' UTR or in the 3' coding region. These variants encode at least five different isoforms. [provided by RefSeq]

Other Designations

MNB/DYRK protein kinase|OTTHUMP00000109090|dual specificity YAK1-related kinase|minibrain homolog|mnbp protein kinase homolog hp86|protein kinase minibrain homolog|serine/threonine kinase MNB|serine/threonine-specific protein kinase

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)