ABclonal™ Technology®

www.abclonal.com

DYRK1A Rabbit pAb

Catalog No.: A0595 | **1 Publications**

Basic Information

Catalog No.
A0595

Observed MW
72kDa

Calculated MW
60kDa/61kDa/66kDa/84kDa/85kDa

Category
Primary antibody

Applications
WB

Cross-Reactivity
Human, Mouse, Rat

Background

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.

Recommended Dilutions

WB	1:500 - 1:1000

Immunogen Information

Gene ID
1859

Swiss Prot
Q13627

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 624-763 of human DYRK1A (NP_001387.2).

Synonyms
DYRK1A;DYRK;DYRK1;HP86;MNB;MNBH;MRD7

Contact

🌐 | www.abclonal.com

Product Information

Source
Rabbit

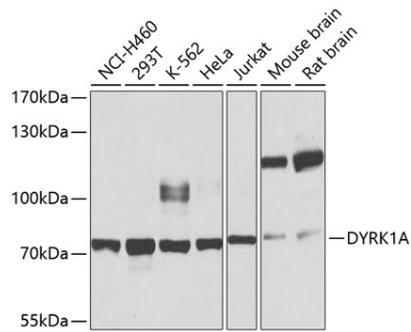**Isotype**
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data

Western blot analysis of extracts of various cell lines, using DYRK1A antibody (A0595) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.