

Anti-DYRK1A Picoband Antibody
Catalog # ABO10122**Specification****Anti-DYRK1A Picoband Antibody - Product Information**

Application	WB, E
Primary Accession	A00878-1
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for DYRK1A detection. Tested with WB, Direct ELISA in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-DYRK1A Picoband Antibody - Additional Information**Application Details**

Western blot, 0.1-0.5 µg/ml
Direct ELISA, 0.1-0.5 µg/ml

Subcellular Localization

Nucleus.

Tissue Specificity

Ubiquitous. Highest levels in skeletal muscle, testis, fetal lung and fetal kidney.

Contents

Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

E. coli-derived human DYRK1A recombinant protein (Position: H38-M269).

Cross Reactivity

No cross reactivity with other proteins.

Storage **At -20°C; for one**

Anti-DYRK1A Picoband Antibody - Background

Dual specificity tyrosine-phosphorylation-regulated kinase 1A is an enzyme that in humans is encoded by the DYRK1A gene. 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.

year. After
reconstitution, at
4°C; for one
month. It can
also be aliquotted
and stored frozen
at -20°C; for a
longer time.
Avoid repeated
freezing and
thawing.

Anti-DYRK1A Picoband Antibody - Protein Information

Anti-DYRK1A Picoband Antibody - Protocols

Provided below are standard protocols that you
may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)