

Datasheet for ABIN264978

## anti-DYRK1A antibody (AA 486-763)



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### 1 Image

#### Overview

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Quantity:            | 0.1 mg                                          |
| Target:              | DYRK1A                                          |
| Binding Specificity: | AA 486-763                                      |
| Reactivity:          | Human, Mouse, Rat                               |
| Host:                | Sheep                                           |
| Clonality:           | Polyclonal                                      |
| Conjugate:           | This DYRK1A antibody is un-conjugated           |
| Application:         | Western Blotting (WB), Immunoprecipitation (IP) |

#### Product Details

|               |                                                                                          |
|---------------|------------------------------------------------------------------------------------------|
| Immunogen:    | Recombinant protein corresponding to amino acids 486 to 763 of the Mouse Dyrk1A protein. |
| Isotype:      | IgG                                                                                      |
| Purification: | Purified                                                                                 |

#### Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | DYRK1A                                                                                                                                                                                                                                                                                                                                                                                        |
| Alternative Name: | DYRK ( <a href="#">DYRK1A Products</a> )                                                                                                                                                                                                                                                                                                                                                      |
| Background:       | <p>Dyrk, the vertebrate of Drosophila minibrain, is a dual-specificity kinase predominately expressed in the central nervous system. The human clone has been isolated from the Downs' syndrome critical region and it is potentially implicated in the neuropathology of the disease.</p> <p>Main features of the protein include an N-terminal nuclear translocation signal, a putative</p> |

## Target Details

leucine zipper domain, a core kinase domain with some similarity to kinases involved in cell cycle regulation and a C-terminal PEST sequence. The Dyrk kinase can be phosphorylated on tyrosine residues, leading to an active kinase that can phosphorylate itself or exogenous substrates on both tyrosine and serine/threonine residues. Dyrk can also multimerize and translocate to the nucleus. Present studies on Dyrk suggest a potential role for this kinase in the exit from the cell cycle and the beginning of neuronal differentiation. Synonyms: DYRK1A, Dual specificity YAK1-related kinase, Dual specificity tyrosine-phosphorylation-regulated kinase 1A, MNB, MNBH

Pathways: [Mitotic G1-G1/S Phases](#)

## Application Details

Application Notes: Western Blot: 1 µg/mL. Immunoprecipitation. Immunofluorescence: 1-10 µg/mL.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

## Handling

Concentration: 1.0 mg/mL

Buffer: Phosphate buffered saline with 0.08 % Sodium Azide as preservative.

Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

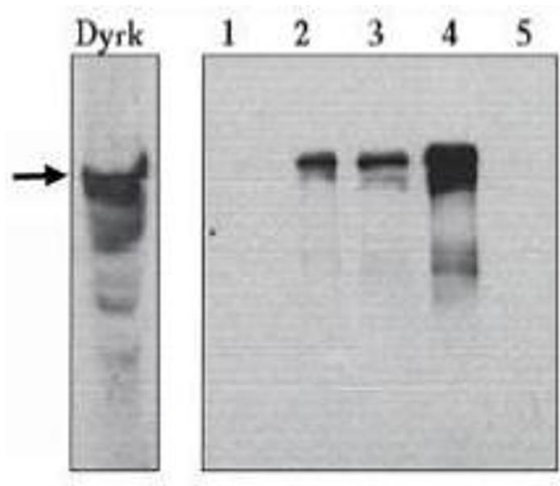


Image 1.