

Product datasheet for **AP05079PU-N**

DYRK Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IP, WB
Recommended Dilution:	Western Blot: 1 µg/ml. Immunoprecipitation. Immunofluorescence: 1-10 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein corresponding to amino acids 486 to 763 of the Mouse Dyrk1A protein.
Specificity:	This antibody recognizes DYRK.
Formulation:	Phosphate buffered saline with 0.08% Sodium Azide as preservative. State: Purified State: Liquid purified Ig (0.2 µm sterile filtered)
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Background:	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. Main features of the protein include an N-terminal nuclear translocation signal, a putative 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.



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Synonyms: DYRK1A, MNB, MNBH, Dual specificity YAK1-related kinase

Product images:

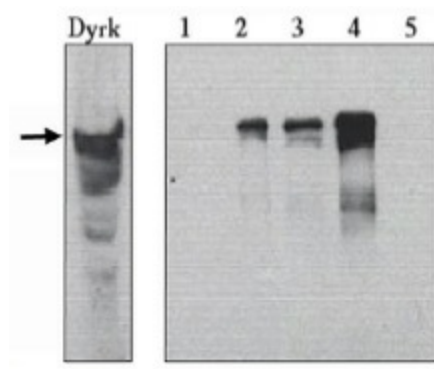


Figure 1. Immunoprecipitation of Dyrk from 293T transfected cells. Immunoprecipitation with: 1. Control Ab 2. Anti-MNP 2 g/ml 3. anti-Dyrk 2 g/ml 4. anti-Dyrk 10 g/ml 5. Competitor's anti-Dyrk Ab 10 g/ml, Western blot performed with anti-Dyrk Ab at 2 g/ml.