

**AP54897SU-N****Polyclonal Antibody to DYRK1A - Serum****Alternate names:**

DYRK, Dual specificity YAK1-related kinase, Dual specificity tyrosine-phosphorylation-regulated kinase 1A, HP86, MNB, MNBH, Protein kinase minibrain homolog

**Quantity:**

0.2 ml

**Background:**

Dyrk (for dual specificity tyrosine phosphorylation regulated kinase) is the homolog of the *Drosophila mnb* (minibrain) gene, which is required for neurogenesis. Dyrk is a dual-specificity tyrosine kinase and serine/threonine kinase, which is itself regulated by tyrosine phosphorylation. Several mammalian Dyrk related proteins have been identified and are thought to compose a family of dual specificity protein kinases. Dyrk family members, including Dyrk1A (originally Dyrk), Dyrk1B, Dyrk1C, Dyrk2, Dyrk3, Dyrk4A and Dyrk4B, are thought to be involved in diverse cellular functions. Dyrk1A is a candidate gene that may be involved in Downs syndrome, and it has been found to be somewhat overexpressed in Downs syndrome.

**Uniprot ID:**

[Q63470](#)

**NCBI:**

[NP\\_036923.1](#)

**GeneID:**

[25255](#)

**Host:**

Rabbit

**Immunogen:**

GST-rDyrk1A (Rat).

**Format:**

**State:** Lyophilized serum

**Preservatives:** None

**Reconstitution:** Restore in distilled water.

**Applications:**

**ELISA.**

**Western Blot:** 1/200-1/1000.

**Immunohistochemistry:** 1/50-1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This antibody reacts with 64 kDa of Rat Dyrk 1A.

May cross react with other isoforms from Dyrk family and with Human protein.

**Species Reactivity:**

**Tested:** Rat.

**Expected from sequence similarity:** Human.

**Storage:**

Store lyophilized at 2-8°C for 6 months or at -20°C long term.

After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Western blot analysis using DyrK1A antibody

