

Product datasheet for **AP54897SU-N**

Dyrk1a Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot: 1/200-1/1000. Immunohistochemistry: 1/50-1/200.
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	GST-rDyrk1A (Rat).
Specificity:	This antibody reacts with 64 kDa of Rat Dyrk 1A. May cross react with other isoforms from Dyrk family and with Human protein.
Formulation:	State: Serum State: Lyophilized serum Preservative: None
Reconstitution Method:	Restore in distilled water.
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	dual specificity tyrosine phosphorylation regulated kinase 1A
Database Link:	Entrez Gene 25255 Rat Q63470



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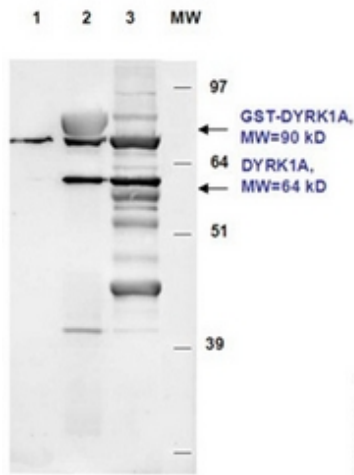
Background:

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 Down's syndrome, and it has been found to be somewhat overexpressed in Down's syndrome.

Synonyms:

DYRK, MNB, MNBH, Protein kinase minibrain homolog, HP86, Dual specificity YAK1-related kinase

Product images:



Western blot analysis using DyrK1A antibody

1: GST
2: GST-DYRK1A
3: GST-DYRK1A cleaved with thrombin