

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Dyrk1B (T356) Peptide

Cat No.: BS2677P

#### 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 self regulated by tyrosine phosphorylation. Several related mammalian proteins compose the Dyrk family of dual specificity protein kinases, including Dyrk1A, Dyrk1B, Dyrk1C, Dyrk2, Dyrk3, Dyrk4A and Dyrk4B. The Dyrk family members are thought to be involved in the regulation of cellular growth and/or development. Dyrk1B localizes to the nucleus in muscle and testis. Specifically, Dyrk1B plays a critical role in muscle differentiation by regulating motility, transcription, cell cycle progression and cell survival. Dyrk1B is also found in several solid tumors, where it acts as a downstream effector of Rac1 or K-ras to mediate cell survival.

#### Swiss-Prot

Q9Y463

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS2677 Dyrk1B (T356) pAb.

#### Purification & Purity

Synthetic peptide Dyrk1B (T356). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.

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