

Catalog No. LF-PA0132

POLYCLONAL ANTIBODY



Anti-CDK5

Background : Cyclin-dependent kinase-5(CDK5) is a member of the cyclin-dependent kinase family of serine/threonine kinases. Its mRNA and protein are expressed in the kidneys, testes, and ovaries. And Its activity has been detected almost exclusively in brain extracts. Similar to other Cdk5, monomeric Cdk5 displays no enzymatic activity; however, Cdk5 is not activated by cyclins. Instead, Cdk5 activity requires association with one of two brain-specific regulatory subunits, called p35 and p39. These two activators regulate the spatial and temporal expression of active Cdk5, restricting its activity primarily to post-mitotic neurons.

Immunogen : His-tagged recombinant human CDK5 protein purified from Baculovirus expressed insect cells

Host : Rabbit

Size : 100 µl

Composition : PBS containing 50% glycerol

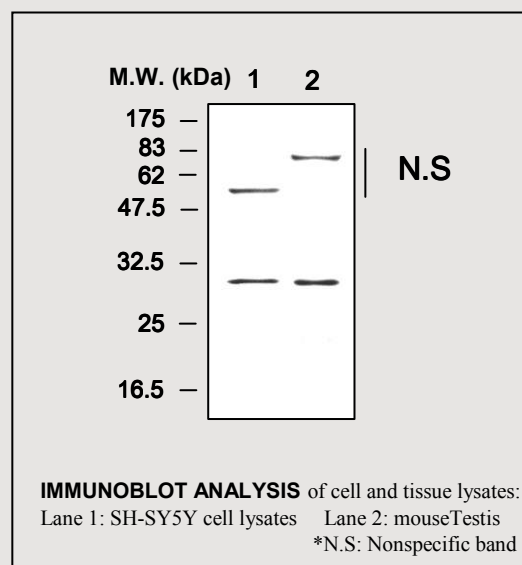
Positive control : SH-SY5Y cell lysates

Storage : store for 1 year at -20°C from date of shipment

Species cross reactivity

Human	Mouse	Rat
+	+	NT

• LF-PA0132, antibody to CDK5, cross reacts with CDK 2,4,6



Applications :

Western Blotting (1:2000)

Background Reference:

1. Shirley B. Shelton and gail V.W. Johnson 2004 *Journal of Neurlchemistry* **88**:1313-1326
2. Jonathan C Cruz and Li-Huei Tsai 2004 *Current Poinion in Neurobiology* **14**:390-394
3. Deanna S. Smith, Paul L. Greer, and Li-Huei Tsai 2001 *Cell Growth & Differentiation* **12**:277-283

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NOT FOR DIAGNOSTIC OR THERAPEUTIC USE