

Certificate of Analysis

Product: Anti-cdk5 (p31) Cyclin Dependent Kinase [Rabbit]

Code: 100-401-163

Lot # 3128

Size: 100 ul

Physical State: Liquid (sterile filtered)

Protein Concentration: 85 mg/ml (by Refractometry)

Buffer: None

Stabilizer: None

Preservative: 0.01% (w/v) Sodium Azide

Application(s): suitable for ELISA, immunoprecipitation, immunoblotting and other immunological methods requiring high titer and specificity.

Recommended Dilution(s): This product was assayed by immunoblot and found to be reactive against cdk5 (p31) at a dilution of 1:500 followed by reaction with Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302. Anti-cdk5 (p31) is suitable for the detection by immunoblot of human, rat and mouse cdk5 (p31). Suggested dilutions for ELISA are 1:500 to 1:2000. Optimal titers for other applications should be determined by the researcher.

Storage Conditions: Store vial at -20° C or below prior to opening. Dilute only prior to immediate use. Aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is six (6) months from date of opening product.

Purity and Specificity: This product was prepared from monospecific antiserum by delipidation and defibrination. Antiserum will specifically react with a 35 kDa cdk5 (p31) protein from human, rat and mouse tissue. No reaction was observed against other related cyclin dependent kinases. Cross reactivity with cdk5 (p31) from other species may also occur.

Immunogen: cdk5 (p31) peptide corresponding to the C-terminus of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).

Reference(s):

Meyerson, M., Enders, G.H., Su, L.K., Gorka, C., Nelson, C., Harlow, E. and Tsai, L.H. (1992) A family of cdc2-related protein kinases. EMBO J. 11; 2909-2917.

Hellmich, M.R., Pant, H.C., Wada, E. and Battey, J.F. (1992) Neuronal cdc2-like kinase: a cdc2-related protein kinase with predominantly neuronal expression. PNAS USA 89; 10867-10871.

USDA Certification: All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation.

Note: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.