

Product Specification Sheet

Product: Anti-cdk2 Cyclin Dependent Kinase [Rabbit]

Code: 100-401-161

Lot # 11758

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, immunohistochemistry, 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 cdk2 at a dilution of 1:500 to 1:1,000 followed by reaction with Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302. Anti-cdk2 is suitable for the detection by immunoblot of human, rat and mouse cdk2. Suggested dilutions for ELISA are 1:500 to 1:2,000. For immunohistochemistry on paraffin embedded tissue dilute the product 1:200 to 1:1,000. 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 33 kDa cdk2 protein from human, rat and mouse tissue. No reaction was observed against other related cyclin dependent kinases. Cross reactivity with cdk2 from other species may also occur.

Immunogen: cdk2 peptide corresponding to the C-terminus of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).

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.

Reference(s):

Elledge, S.J. and Spotswood, M. (1991) A new human p34 protein kinase CDK2, identified by complementation of a cdc28 mutation, is a homolog of Xenopus Eg1. *EMBO J.* **10**; 2653-2659.

Giordano, A., Lee, J.H., Scheppler, J.A., Herrmann, C., Harlow, E., Deuschle, U., Beach, D. and Franza, B. Jr. (1991) Cell cycle regulation of histone H1 kinase activity associated with the adenoviral protein E1A. *Science* **253**; 1271-1275.

Tsai, L.H., Harlow, E. and Myerson, M. (1991) Isolation of the human CDK2 gene that encodes the cyclin A and adenovirus E1A-associated p33 kinase. *Nature* **353**; 174-177.