Anti Retinoblastoma (RB) Protein (901-928) (Human) Serum

Cat. No. Y280 Lot No. 081171017

Description: This antiserum was raised in a rabbit by immunization with a porcine thyroglobulin (pTG) conjugate of synthetic RB protein (901-928) (human) fragment. The product vial contains 50 μL of the titled antiserum obtained by lyophilizing its 0.001 M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immuno- histochemistry or any other immunoreaction with retinoblastoma protein (human).

Immunogen: Synthetic RB protein (901-928) (human)-pTG conjugate **Host:** Rabbit

Amino Acid Sequence of RB Protein (901-928) (human)[1]:

901 928

LAEMTSTRTRMQKQKMNDMDTSNKEEK

Product Form: Lyophilized unpurified serum **Size:** 50 μL

Reconstitution: Reconstitute the product with 0.5mL of 0.01M PBS (pH 7.0) to make a 10 fold diluted stock solution. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN_3 0.1%).

Storage: The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon reconstitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Repeated freezing-thawing should be avoided.

Suggested Working Dilution Range: 1:1,500 (final dilution ~1:10,500) for radioimmunoassay[2]; 1: 200-1,000 for immunohistochemistry (frozen section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): RB-protein (901-928) (human) 100%, detected a 105kDa protein in rat liver extract by gel filtration analysis.

Positive Control (immunohistochemistry): Rat intestines

Species Tested: Rat

REFERENCES:

1) W.H. Lee, J.Y. Shew et al., The retinoblastoma susceptibility gene encodes a nuclear phosphoprotein associated with DNA binding activity. Nature 329: 642-645, 1987

2) M. Suzuki, N. Yanaihara et al., Distribution and Molecular form of immunoreactive retinoblastoma (RB) protein. Proceedings of 14th Gut Hormone Conference, Japanese Society of Gut Hormones (Ed) 12: 281-287, 1993

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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