

Phospho-Retinoblastoma (Thr826) Antibody

CATALOG NO.: A1733-100 100 µl.

BACKGROUND DESCRIPTION: Key regulator of entry into cell division that acts as a tumor suppressor. Promotes G0-G1 transition when phosphorylated by CDK3/cyclin-C. Acts as a transcription repressor of E2F1 target genes. The underphosphorylated, active form of RB1 interacts with E2F1 and represses its transcription activity, leading to cell cycle arrest. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation.

ALTERNATE NAMES: Retinoblastoma-associated protein, p105-Rb, pRb, Rb, pp110, RB1.

ANTIBODY TYPE: Polyclonal

CONCENTRATION: 1mg/ml

HOST/ISOTYPE: Rabbit / IgG.

IMMUNOGEN: A synthesized peptide derived from human Retinoblastoma around the phosphorylation site of Threonine 826..

MOLECULAR WEIGHT: 110 kDa.

PURIFICATION: Affinity purified.

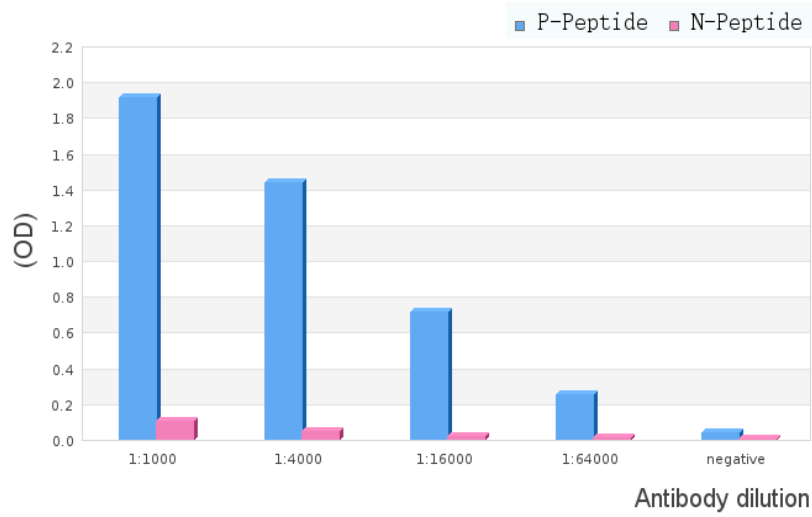
FORM: Liquid.

FORMULATION: In phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol.

SPECIES REACTIVITY: Rat.
Mouse.
Human.

STORAGE CONDITIONS: Store at -20°C; For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

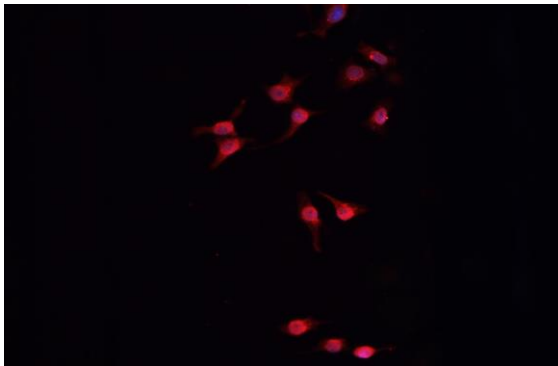
APPLICATIONS AND USAGE: WB 1:500-1:2000 IF/ICC 1:100-1:500, ELISA (peptide) 1:20000-1:40000.



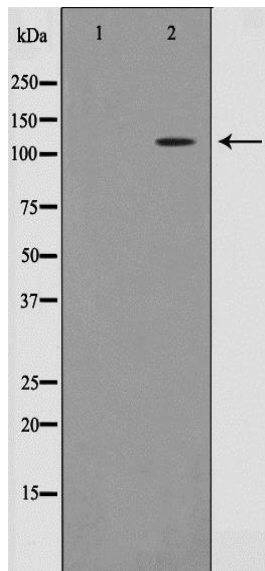
ELISA analysis of Phospho-Retinoblastoma (Thr826) Antibody showing specificity to

Phospho-Retinoblastoma (Thr826) peptide. Peptides concentration: 1ug/ml.

P-peptide: phospho-peptide; N-peptide: non-phospho-peptide.



IF/ICC staining of MCF-7 cells using Phospho-Retinoblastoma (Thr826) Antibody.



Western blot analysis on MOLT cell lysate using Phospho-Retinoblastoma (Thr826) Antibody. The lane on the left is treated with the antigen-specific peptide.

RELATED PRODUCTS:

- RbBP5 Antibody (3793R).
- RbBP5 Antibody (3793).

FOR RESEARCH USE ONLY! Not to be used on humans.