

## Rabbit Anti-Reprimo/AP Conjugated antibody

SL1885R-AP

<b>Product Name</b>	Anti-Reprimo/AP
<b>Chinese Name</b>	碱性磷酸酶（AP）标记的细胞质内的糖基化蛋白抗体
<b>Alias</b>	Protein reprimo.; reprimo, TP53 dependent G2 arrest mediator candidate; 2410012A13RIK; FLJ90327; MGC109515; REPRIMO; RPRM; RPRM_HUMAN.
<b>Research Area</b>	Tumour Cell biology Apoptosis Cyclin glycoprotein
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Rat(predicted:Human,Mouse,Cow,Rabbit)
<b>Applications</b>	IHC-P=1:50-200 IHC-F=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	12kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human Reprimo
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> Reprimo, also known as TP53 dependent G2 arrest mediator candidate or RPRM, is a 109 amino acid cytoplasmic protein belonging to the Reprimo family, which is involved in the regulation of p53-dependent G2 arrest of the cell cycle. Reprimo may initiate cell cycle arrest by inhibiting CDC2 and nuclear translocation of the CDC2 cyclin B1 complex. A highly glycosylated protein, Reprimo also plays a role in cell cycle surveillance and DNA repair.

Hypermethylation of Reprimo can lead to its transcriptional repression, which may increase pathogenesis of some types of human cancers. Reprimo has been identified as a potential biomarker for early detection multiple cancers. The gene encoding Reprimo maps to human chromosome 2, which houses over 1,400 genes and comprises nearly 8% of the human genome.

**Function:**

May be involved in the regulation of p53-dependent G2 arrest of the cell cycle. Seems to induce cell cycle arrest by inhibiting CDK1 activity and nuclear translocation of the CDC2 cyclin B1 comple.

**Subcellular Location:**

Cytoplasm. Membrane; Single-pass membrane protein (Potential).

**Similarity:**

Belongs to the reprimo family.

**Database links:**

[Entrez Gene: 56475](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Reprimo 一种新发现的位于细胞质内的糖基化蛋白,在细胞质中占有优势.

有学者认为: Reprimo 是胃癌早期检测的潜在生物标记物。