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Reprimo Rabbit pAb

Catalog # AP98292

Product Information

Application	IHC-P, IHC-F, IF
Reactivity	Rat
Predicted	Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Reprimo
Epitope Specificity	41-109/109
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the reprimo family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	56475
Other Names	RPRM_HUMAN; RPRM; RPRM_MOUSE; RPRM_BOVIN; REPRIMO; 2410012A13Rik; reprimo, TP53 dependent G2 arrest mediator homolog; reprimo, TP53 dependant G2 arrest mediator candidate; reprimo, TP53 dependent G2 arrest mediator candidate; candidate mediator of the p53 dependent G2 arrest
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Name	Reprimo Rabbit pAb
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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.