

Anti-Reprimo Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Cow,Rabbit)
Molecular Weight:	Theoretical: 12 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Reprimo) Polyclonal Antibody, Unconjugated (TMAB-12194) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Reprimo
Antigen Species:	Human
Gene ID:	56475

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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