### bsm-60823R

# [ Primary Antibody ]

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

DATASHEET -

Host: Rabbit Isotype: IgG Clonality: Recombinant CloneNo.: 1B13 GeneID: 12576 **SWISS:** P46414

p27 KIP 1 Recombinant Rabbit mAb

Target: p27 KIP 1

**Immunogen:** A synthesized peptide derived from human p27 Kip1: 150-198.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: PBS, Glycerol, BSA.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

**Background:** Cell cycle progression is regulated by cyclins and their cognate Cdks. p27 KIP 1 is a cell cycle regulatory mitotic inhibitor of cdk activity. p27 KIP 1 is a candidate tumor suppressor gene, and has been proposed to function as a possible mediator of TGF beta induced G1 arrest. p27 KIP 1 is up regulated in response to antimitogenic stimuli. The increased protein expression of p27 results in cellular arrest by binding to cyclin/Cdk complexes such as cyclin D1/Cdk4. p27 Kip1 is regulated by phosphorylation on serine 10 (S10) and threonine 187 (T187). Phosphorylation by CDK2 on T187 results in ubiquitylation and degradation of p27 Kip 1; while phosphorylation by hKIS on S10 signals the nuclear export to the cytoplasm.

**Applications: IHC-P** (1:100-500)

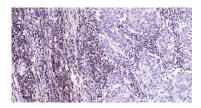
IHC-F (1:100-500) **IF** (1:100-500)

Reactivity: Human, Mouse, Rat

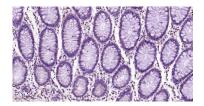
Predicted MW.:

Subcellular Cytoplasm ,Nucleus

## **VALIDATION IMAGES** -



Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation p27 KIP 1 Monoclonal Antibody, Unconjugated(bsm-60823R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min: Antibody incubation p27 KIP 1 Monoclonal Antibody, Unconjugated(bsm-60823R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.