**bsm-60823R** **[ Primary Antibody ]**

# p27 KIP 1 Recombinant Rabbit mAb

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## DATASHEET

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

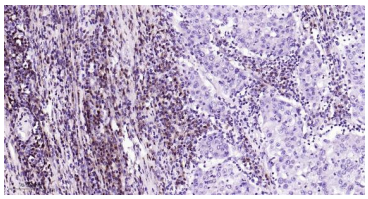
**Applications:** **IHC-P** (1:100-500)
**IHC-F** (1:100-500)
**IF** (1:100-500)

**Reactivity:** Human, Mouse, Rat

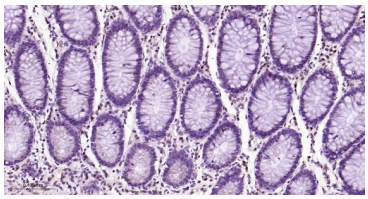
**Predicted MW.:** 22 kDa

**Subcellular Location:** 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.