bsm-61246R **[Primary Antibody]**

hnRNP K Recombinant Rabbit mAb

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DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 11H6
GeneID: 3190
SWISS: P61978
Target: hnRNP K

Immunogen: A synthesized peptide derived from human hnRNP K: 1-53.

Purification: affinity purified by Protein A

Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.

Background: Facilitate pre-mRNA processing and transport of mRNA from the nucleus to cytoplasm. hnRNP K contains three unique structural motifs termed KH domains that bind poly(C) DNA and RNA sequences. Intricate architecture enables hnRNP K to facilitate mRNA biosynthesis, transcriptional regulation, and signal transduction. Research studies have shown that cytoplasmic hnRNP K expression is increased in oral squamous cell carcinoma and pancreatic cancer, and may be a potential prognostic factor.

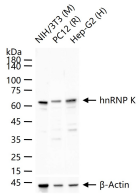
Applications: **WB** (1:500-2000)
IHC-P (1:100-200)
IHC-F (1:100-200)
IF (1:50-200)
Flow-Cyt (1:50-100)
ICC/IF (1:50-200)
IP (1:20-50)

Reactivity: Human, Mouse, Rat

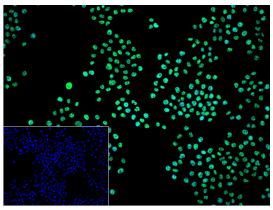
Predicted MW.: 51

Subcellular Location: Cytoplasm ,Nucleus

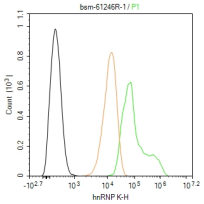
VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with hnRNP K monoclonal antibody, unconjugated (bsm-61246R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (hnRNP K) monoclonal Antibody, unconjugated (bsm-61246R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The Hela (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-hnRNP K antibody (bsm-61246R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.