

HNRNPK Antibody

Catalog No: #32393

Package Size: #32393-1 50ul #32393-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

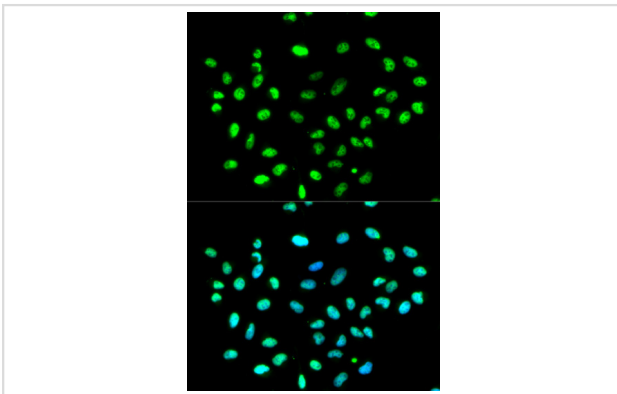
Description

Product Name	HNRNPK Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total HNRNPK protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human HNRNPK.
Target Name	HNRNPK
Other Names	CSBP; FLJ41122; HNRPK; TUNP;
Accession No.	Swiss-Prot:P61978NCBI Gene ID:3190
Uniprot	P61978
GeneID	3190;
SDS-PAGE MW	51KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

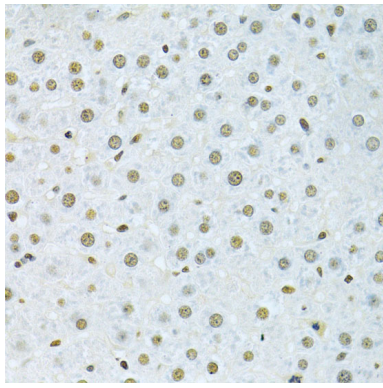
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200

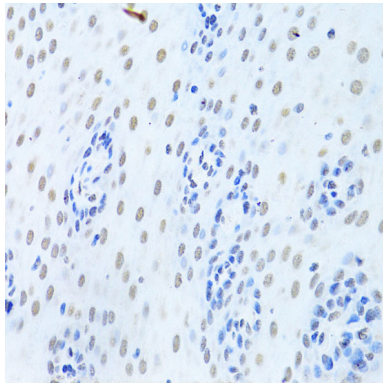
Images



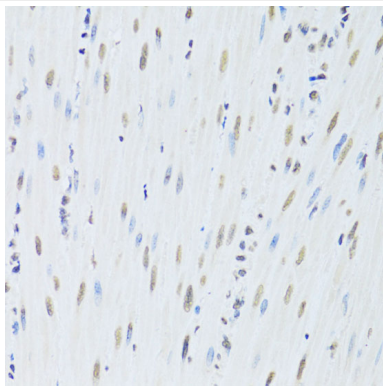
Immunofluorescence analysis of MCF-7 cells using HNRNPK .
Blue: DAPI for nuclear staining.



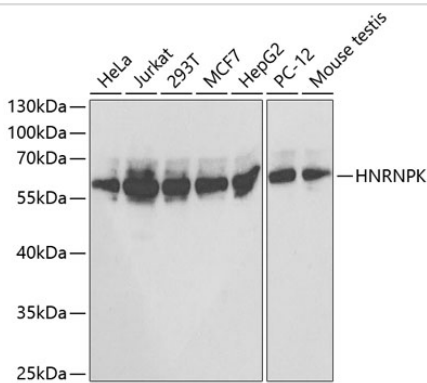
Immunohistochemistry of paraffin-embedded rat liver using HNRNPK at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human esophagus using HNRNPK at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded mouse esophagus using HNRNPK at dilution of 1:200 (40x lens).



Western blot analysis of extracts of various cell lines, using HNRNPK at 1:1000 dilution.

Background

Heterogeneous nuclear ribonucleoprotein K (hnRNP K) belongs to a family of RNA binding multiprotein complexes (hnRNP proteins) that facilitate pre-mRNA processing and transport of mRNA from the nucleus to cytoplasm (1-3). hnRNP K contains three unique structural motifs termed KH domains that bind poly(C) DNA and RNA sequences (4,5). Intricate architecture enables hnRNP K to facilitate mRNA biosynthesis (6), transcriptional regulation (7), 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 (8,9). hnRNP K coordinates with p53 to regulate its target gene transcription in response to DNA damage. Proteasome degradation of hnRNP K is mediated by E3 ligase MDM2 (10). The interaction between hnRNP K and c-Src leads to hnRNP K phosphorylation, which allows for hnRNP K activation of silenced mRNA translation (11).

Note: This product is for in vitro research use only