Product Datasheet

hnRNP K Rabbit mAb

Catalog No: #48951

Package Size: #48951-1 50ul #48951-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

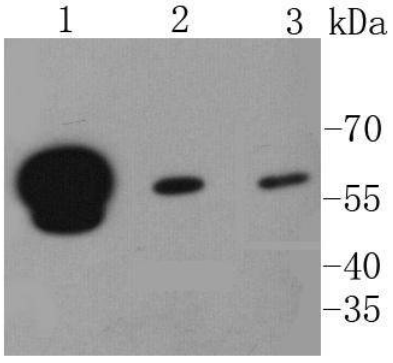
Description

Product Name	hnRNP K Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC60-03
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	CSBP antibody dC stretch binding protein antibody FLJ41122 antibody Heterogeneous nuclear ribonucleoprotein K antibody hnRNP K antibody HNRNPK antibody HNRPK antibody HNRPK_HUMAN antibody Transformation up regulated nuclear protein antibody Transformation up-regulated nuclear protein antibody Transformation upregulated nuclear protein antibody TUNP antibody
Accession No.	Swiss-Prot#:P61978
Uniprot	P61978
GeneID	3190;
Calculated MW	60 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

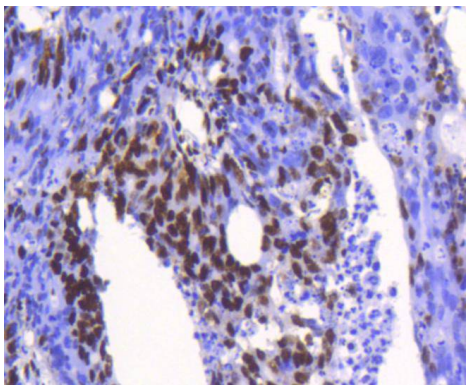
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200ICC: 1:50-1:200

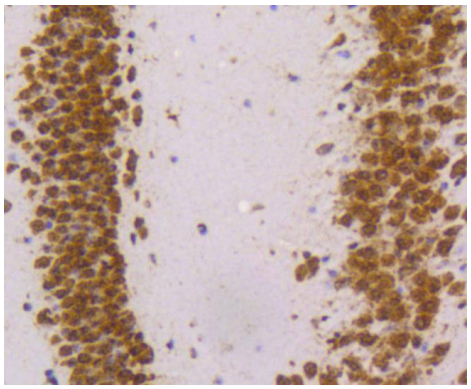
Images



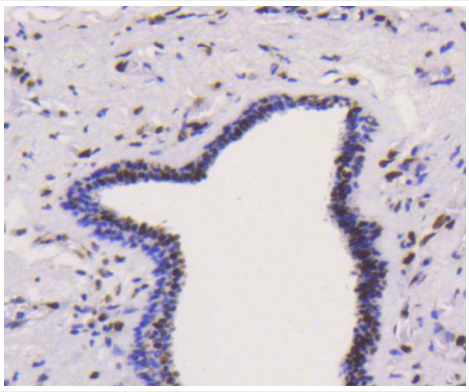
Western blot analysis of hnRNP K on different lysates using anti-hnRNP K antibody at 1/1,000 dilution. Positive control:
Lane 1: Jurkat Lane 2: Hela Lane 3: NIH/3T3



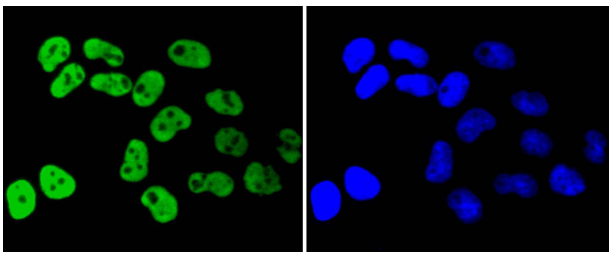
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-hnRNP K antibody. Counter stained with hematoxylin.



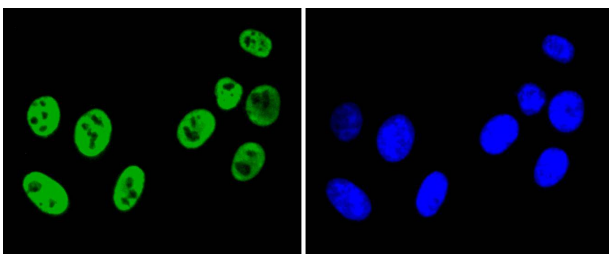
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-hnRNP K antibody. Counter stained with hematoxylin.



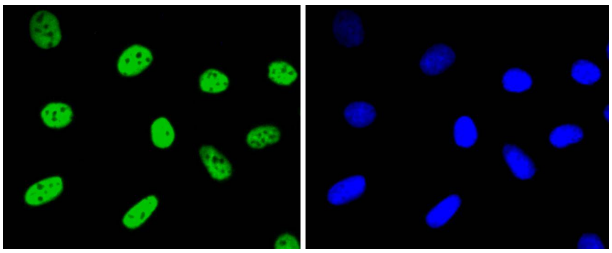
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-hnRNP K antibody. Counter stained with hematoxylin.



ICC staining hnRNP K in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining hnRNP K in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining hnRNP K in SKOV-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Heterogeneous nuclear ribonucleoproteins (hnRNPs) constitute a set of poly-peptides that contribute to mRNA transcription and pre-mRNA processing as well as mature mRNA transport to the cytoplasm and translation. They also bind heterogeneous nuclear RNA (hnRNA), which are the transcripts produced by RNA Polymerase II. There are approximately 20 known hnRNP proteins and their complexes are the major constituents of the spliceosome. The majority of hnRNP protein are localized to the nucleus, however some shuttle between the nucleus and the cytoplasm, such as hnRNP K. hnRNP K recruits a variety of molecular partners through two K homologous (KH) domains, which are required for protein-protein interactions. hnRNP K also contains several potential phosphorylation sites, including Ser 302, the major site of PKCd phosphorylation, which are thought to regulate various cellular functions, including sequence-specific DNA binding, transcription, RNA binding and nucleocytoplasmic shuttling.

References

Note: This product is for in vitro research use only