

hnRNP K Rabbit mAb

Catalog # AP75561

Product Information

Primary Accession	P61978
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	50976

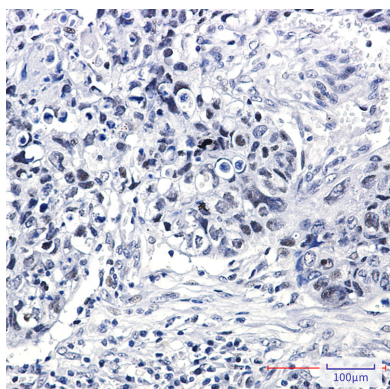
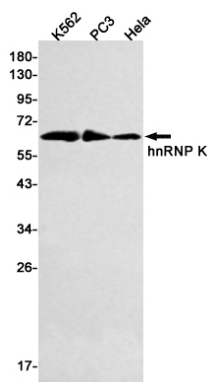
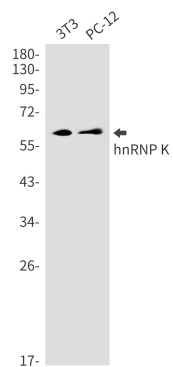
Additional Information

Gene ID	3190
Other Names	HNRNPK
Format	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	HNRNPK
Synonyms	HNRPK
Function	One of the major pre-mRNA-binding proteins. Binds tenaciously to poly(C) sequences. Likely to play a role in the nuclear metabolism of hnRNAs, particularly for pre-mRNAs that contain cytidine-rich sequences. Can also bind poly(C) single-stranded DNA. Plays an important role in p53/TP53 response to DNA damage, acting at the level of both transcription activation and repression. When sumoylated, acts as a transcriptional coactivator of p53/TP53, playing a role in p21/CDKN1A and 14-3-3 sigma/SFN induction. As far as transcription repression is concerned, acts by interacting with long intergenic RNA p21 (lincRNA-p21), a non-coding RNA induced by p53/TP53. This interaction is necessary for the induction of apoptosis, but not cell cycle arrest. As part of a ribonucleoprotein complex composed at least of ZNF827, HNRNPL and the circular RNA circZNF827 that nucleates the complex on chromatin, may negatively regulate the transcription of genes involved in neuronal differentiation (PubMed: 33174841).
Cellular Location	Cytoplasm. Nucleus, nucleoplasm. Cell projection, podosome. Note=In case of ASFV infection, there is a shift in the localization which becomes predominantly nuclear (PubMed:18775702)

Images



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