

KD-Validated Anti-HNRNPK Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1479

Product Information

Application	WB, FC
Primary Accession	P61978
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB4825
Calculated MW	50976
Gene Name	HNRNPK
Aliases	HNRNPK; Heterogeneous Nuclear Ribonucleoprotein K; TUNP; HNRPK; CSBP; Transformation Upregulated Nuclear Protein; Transformation Up-Regulated Nuclear Protein; DC-Stretch Binding Protein; HnRNP K; AUKS
Immunogen	A synthesized peptide derived from human hnRNP K

Additional Information

Gene ID	3190
Other Names	Heterogeneous nuclear ribonucleoprotein K, hnRNP K, Transformation up-regulated nuclear protein, TUNP, HNRNPK, HNRPK

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)

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