

Anti-hnRNP K Antibody
Rabbit polyclonal antibody to hnRNP K
Catalog # AP60573

Specification

Anti-hnRNP K Antibody - Product Information

| | |
|-------------------|--|
| Application | WB |
| Primary Accession | P61978 |
| Other Accession | P61979 |
| Reactivity | Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 50976 |

Anti-hnRNP K Antibody - Additional Information

Gene ID 3190

Other Names

HNRPK; Heterogeneous nuclear ribonucleoprotein K; hnRNP K; Transformation up-regulated nuclear protein; TUNP

Target/Specificity

Recognizes endogenous levels of hnRNP K protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-hnRNP K Antibody - 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 (By similarity). 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

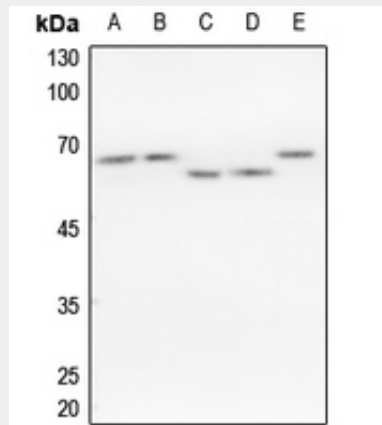
Cytoplasm. Nucleus, nucleoplasm. Cell projection, podosome. Note=Recruited to p53/TP53-responsive promoters, in the presence of functional p53/TP53 (PubMed:16360036). In case of ASFV infection, there is a shift in the localization which becomes predominantly nuclear (PubMed:18775702)

Anti-hnRNP K Antibody - Protocols

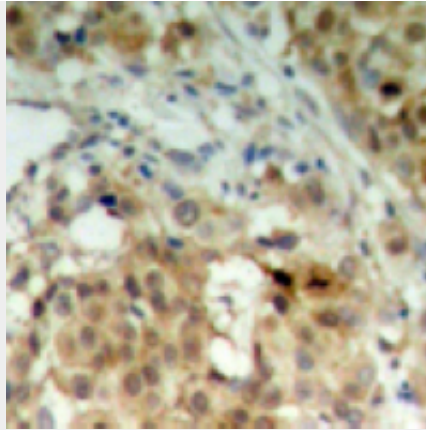
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-hnRNP K Antibody - Images



Western blot analysis of hnRNP K expression in HEK293T (A), Hela (B), mouse spleen (C), mouse lung (D), mouse testis (E) whole cell lysates.



Immunohistochemical analysis of hnRNP K staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-hnRNP K Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human hnRNP K. The exact sequence is proprietary.