

HNRNPK / hnRNP K Antibody (aa1-50)
Rabbit Polyclonal Antibody
Catalog # ALS15280**Specification**

HNRNPK / hnRNP K Antibody (aa1-50) - Product Information

Application	WB, IHC-P
Primary Accession	P61978
Reactivity	Human, Mouse, Rat, Monkey, Opossum
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A

HNRNPK / hnRNP K Antibody (aa1-50) - Additional Information**Gene ID** 3190**Other Names**

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

Target/Specificity

Human HNRNPK / hnRNP K

Reconstitution & Storage

Store at 4°C for short term applications. For long term storage, aliquot and store at -20°C.

Precautions

HNRNPK / hnRNP K Antibody (aa1-50) is for research use only and not for use in diagnostic or therapeutic procedures.

HNRNPK / hnRNP K Antibody (aa1-50) - 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

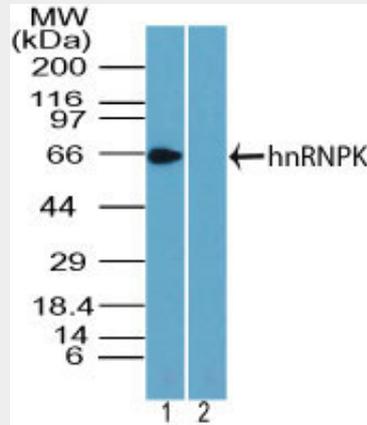
Cytoplasm. Nucleus, nucleoplasm. Cell projection, podosome. Note=Recruited to p53/TP53-responsive promoters, in the presence of functional p53/TP53 (PubMed:16360036). In case of ASFV infection, there is a shift in the localization which becomes predominantly nuclear (PubMed:18775702)

HNRNPK / hnRNP K Antibody (aa1-50) - Protocols

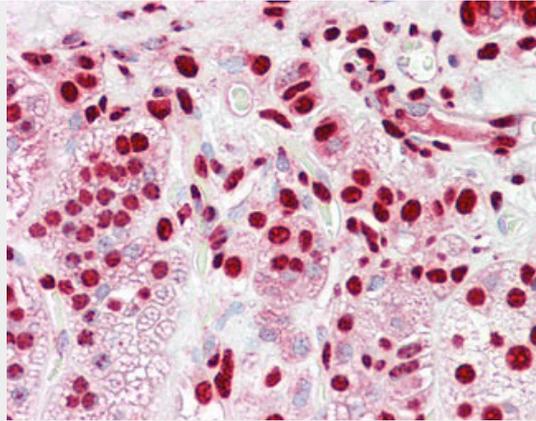
Provided below are standard protocols that you may find useful for product applications.

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

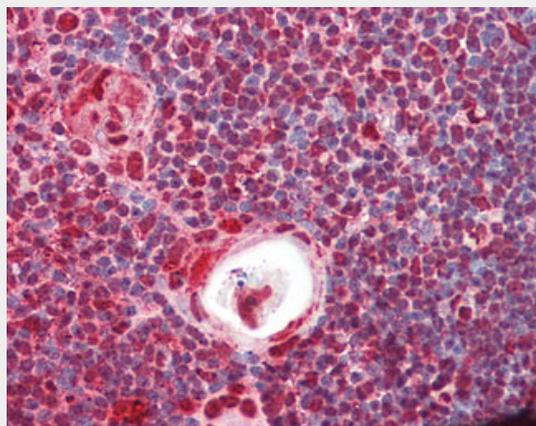
HNRNPK / hnRNP K Antibody (aa1-50) - Images



Western blot of hnRNP K in K562 cell lysate in the 1) absence and 2) presence of immunizing...



Anti-HnRNP K antibody IHC of human adrenal.



Anti-HnRNP K antibody IHC of human thymus.

HNRNPK / hnRNP K Antibody (aa1-50) - Background

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.

HNRNPK / hnRNP K Antibody (aa1-50) - References

- Matunis M.J.,et al.Mol. Cell. Biol. 12:164-171(1992).
- Dejgaard K.,et al.J. Mol. Biol. 236:33-48(1994).
- Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
- Humphray S.J.,et al.Nature 429:369-374(2004).
- Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.