

NKRF Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6660c

Product Information

Application	WB, IHC-P, E
Primary Accession	O15226
Other Accession	Q8BY02
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18512
Calculated MW	77673
Antigen Region	205-233

Additional Information

Gene ID	55922
Other Names	NF-kappa-B-repressing factor, NFkB-repressing factor, Protein ITBA4, Transcription factor NRF, NKRF, ITBA4, NRF
Target/Specificity	This NKRF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 205-233 amino acids from the Central region of human NKRF.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NKRF Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NKRF {ECO:0000303 PubMed:32179686, ECO:0000312 HGNC:HGNC:19374}
Function	Enhances the ATPase activity of DHX15 by acting like a brace that tethers mobile sections of DHX15 together, stabilizing a functional conformation with

high RNA affinity of DHX15 (PubMed:[12381793](#)). Involved in the constitutive silencing of the interferon beta promoter, independently of the virus-induced signals, and in the inhibition of the basal and cytokine-induced iNOS promoter activity (PubMed:[12381793](#)). Also involved in the regulation of IL-8 transcription (PubMed:[12381793](#)). May also act as a DNA-binding transcription regulator: interacts with a specific negative regulatory element (NRE) 5'-AATTCCTCTGA-3' to mediate transcriptional repression of certain NK-kappa-B responsive genes (PubMed:[10562553](#)).

Cellular Location

Nucleus, nucleolus.

Tissue Location

Widely and constitutively expressed (PubMed:10562553). Expressed at lower level in colon, peripheral blood lymphocytes, lung and kidney (PubMed:10562553)

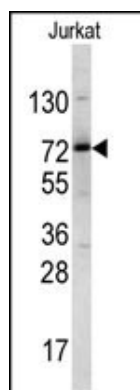
Background

NKRF is a transcription factor that interacts with specific negative regulatory elements (NREs) to mediate transcriptional repression of certain NK-kappa-B-responsive genes. The protein localizes predominantly to the nucleolus with a small fraction found in the nucleoplasm and cytoplasm.

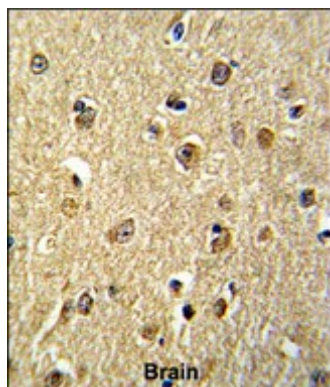
References

Ho,S.C., J. Immunol. 183 (1), 411-420 (2009)
Glanz,A., Immunol. Cell Biol. 86 (7), 622-630 (2008)

Images



Western blot analysis of NKRF antibody (Center) (Cat. #AP6660c) in Jurkat cell line lysates (35ug/lane). NKRF (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain reacted with NKRF Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.