

NKRF Rabbit pAb

Catalog # AP98964

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O15226
Other Accession	O15226
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77673
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NKRF
Epitope Specificity	21-120/690
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 G-patch domain.Contains 1 R3H domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a transcriptional repressor that interacts with specific negative regulatory elements to mediate transcriptional repression of certain nuclear factor kappa B responsive genes. The protein localizes predominantly to the nucleolus with a small fraction found in the nucleoplasm and cytoplasm. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]

Additional Information

Gene ID	55922
Other Names	ITBA4; NRF; NKRF_tv2; NKRF_HUMAN; NKRF; NFkB-repressing factor; Protein ITBA4; NFKB repressing factor; NF-kappaB repressing factor; XRN2 binding domain containing 3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NKRF {ECO:0000303 PubMed:32179686, ECO:0000312 HGNC:HGNC:19374}
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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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.