

**NKRF Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6660c****Specification**

---

**NKRF Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O15226](#)**NKRF Antibody (Center) Blocking Peptide - 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**

The synthetic peptide sequence used to generate the antibody [AP6660c](/products/AP6660c) was selected from the Center region of human NKRF. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**NKRF Antibody (Center) Blocking Peptide - 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/12381793)). Also involved in the regulation of IL-8 transcription (PubMed: [12381793](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/10562553))

target="\_blank">10562553</a>).

**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)

**NKRF Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**NKRF Antibody (Center) Blocking Peptide - Images****NKRF Antibody (Center) Blocking Peptide - 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.

**NKRF Antibody (Center) Blocking Peptide - References**

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