

NF45 / ILF2 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS13093**Specification**

NF45 / ILF2 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	Q12905
Reactivity	Human, Mouse, Rat, Rabbit, Monkey, Pig, Horse, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	43kDa KDa

NF45 / ILF2 Antibody (Internal) - Additional Information**Gene ID** 3608**Other Names**

Interleukin enhancer-binding factor 2, Nuclear factor of activated T-cells 45 kDa, ILF2, NF45

Target/Specificity

Human ILF2.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

NF45 / ILF2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

NF45 / ILF2 Antibody (Internal) - Protein Information**Name** ILF2**Synonyms** NF45**Function**

Chromatin-interacting protein that forms a stable heterodimer with interleukin enhancer-binding factor 3/ILF3 and plays a role in several biological processes including transcription, innate immunity or cell growth (PubMed: [18458058](http://www.uniprot.org/citations/18458058), PubMed: [31212927](http://www.uniprot.org/citations/31212927)). Essential for the efficient reshuttling of ILF3 (isoform 1 and isoform 2) into the nucleus. Together with ILF3, forms an RNA-binding complex that is required for mitotic progression and cytokinesis by regulating the expression of a cluster of mitotic genes. Mechanistically, competes with STAU1/STAU2-mediated mRNA decay (PubMed: [32433969](http://www.uniprot.org/citations/32433969)). Also plays a role in the inhibition of various viruses including Japanese encephalitis virus or enterovirus 71.

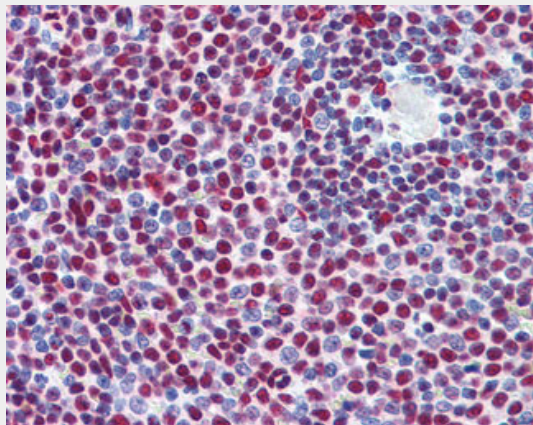
Cellular Location

Nucleus, nucleolus. Cytoplasm. Nucleus. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs

NF45 / ILF2 Antibody (Internal) - 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](#)

NF45 / ILF2 Antibody (Internal) - Images

Anti-ILF2 antibody IHC of human spleen.

NF45 / ILF2 Antibody (Internal) - Background

Appears to function predominantly as a heterodimeric complex with ILF3. This complex may regulate transcription of the IL2 gene during T-cell activation. It can also promote the formation of stable DNA-dependent protein kinase holoenzyme complexes on DNA. Essential for the efficient shuttling of ILF3 (isoform 1 and isoform 2) into the nucleus.

NF45 / ILF2 Antibody (Internal) - References

Kao P.N., et al. J. Biol. Chem. 269:20691-20699(1994).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Gregory S.G., et al. Nature 441:315-321(2006).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Zhang C., et al. Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.