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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, PubMed: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). Also plays a role in the inhibition of various viruses including Japanese encephalitis virus or enterovirus 71.

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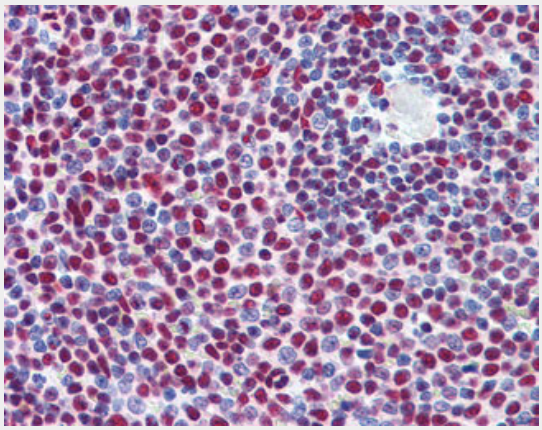
Cellular Location
Nucleus, nucleolus. Cytoplasm. Nucleus. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs

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 Cytomety
- 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 reshuttling of ILF3 (isoform 1 and isoform 2) into the nucleus.

NF45 / ILF2 Antibody (Internal) - References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
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