

# Goat anti-ILF2 / NF45, Biotinylated Antibody

Peptide-affinity purified goat antibody

Catalog # AF4417a

## Product Information

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<b>Application</b>	WB, IHC, Pep-ELISA
<b>Primary Accession</b>	<a href="#">Q12905</a>
<b>Other Accession</b>	<a href="#">NP_004506.2</a> , <a href="#">NP_001254738.1</a>
<b>Reactivity</b>	Human, Mouse, Rat, Dog
<b>Host</b>	Goat
<b>Clonality</b>	Polyclonal
<b>Clone Names</b>	ILF2
<b>Calculated MW</b>	43062

## Additional Information

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<b>Gene ID</b>	3608
<b>Other Names</b>	ILF2; interleukin enhancer binding factor 2; NF45; PRO3063; interleukin enhancer binding factor 2, 45kD; interleukin enhancer binding factor 2, 45kDa; nuclear factor of activated T-cells, 45-kDa
<b>Dilution</b>	WB~~1:1000 IHC~~1:100~500 Pep-ELISA~~N/A
<b>Format</b>	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Immunogen</b>	This antibody is expected to recognize both reported isoforms (NP_004506.2; NP_001254738.1).
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	Goat anti-ILF2 / NF45, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ILF2
<b>Synonyms</b>	NF45
<b>Function</b>	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.

**Cellular Location**

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

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