

Datasheet for ABIN2779788

anti-Interleukin enhancer-binding factor 3 (ILF3) (C-Term) antibody



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	Interleukin enhancer-binding factor 3 (ILF3)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human ILF3
Sequence:	QQSYNQSPYS NYGPPQGKQK GYNHGQGSYS YSNSYNSPGG GGGSDYNYES
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 79%, Pig: 93%, Rabbit: 86%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against ILF3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Interleukin enhancer-binding factor 3 (ILF3)
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Target Details

Alternative Name:	ILF3 (ILF3 Products)
Background:	<p>ILF3 may facilitate double-stranded RNA-regulated gene expression at the level of post-transcription. ILF3 can act as a translation inhibitory protein which binds to coding sequences of acid beta-glucosidase (GCase) and other mRNAs and functions at the initiation phase of GCase mRNA translation, probably by inhibiting its binding to polysomes. ILF3 can regulate protein arginine N-methyltransferase 1 activity. ILF3 may regulate transcription of the IL2 gene during T-cell activation. It can promote the formation of stable DNA-dependent protein kinase holoenzyme complexes on DNA. Nuclear factor of activated T-cells (NFAT) is a transcription factor required for T-cell expression of interleukin 2. NFAT binds to a sequence in the IL2 enhancer known as the antigen receptor response element 2. In addition, NFAT can bind RNA and is an essential component for encapsidation and protein priming of hepatitis B viral polymerase. NFAT is a heterodimer of 45 kDa and 90 kDa proteins, the larger of which is the product of this gene. The encoded protein, which is primarily localized to ribosomes, probably regulates transcription at the level of mRNA elongation. Nuclear factor of activated T-cells (NFAT) is a transcription factor required for T-cell expression of interleukin 2. NFAT binds to a sequence in the IL2 enhancer known as the antigen receptor response element 2. In addition, NFAT can bind RNA and is an essential component for encapsidation and protein priming of hepatitis B viral polymerase. NFAT is a heterodimer of 45 kDa and 90 kDa proteins, the larger of which is the product of this gene. The encoded protein, which is primarily localized to ribosomes, probably regulates transcription at the level of mRNA elongation. At least three transcript variants encoding three different isoforms have been found for this gene.</p> <p>Alias Symbols: DRBF, DRBP76, MMP4, MPHOSPH4, MPP4, NF-AT-90, NF90, NFAR, NFAR-1, TCP80, CBTF, NF110, NF90a, NF90b, NFAR2, NF110b, TCP110</p> <p>Protein Interaction Partner: PLSCR1, UBC, FBXW11, RBPMS, HUWE1, MDM2, AURKA, SUMO2, SUMO3, STAU1, IVNS1ABP, LGR4, ERG, RPA3, RPA2, RPA1, EZH2, HNRNPL, SUZ12, RNF2, BMI1, EED, VHL, VEGFA, rev, FBXO6, TARDBP, CSF2, EIF2AK2, ICAM1, IGSF8, SNORD116-22, PABPC1, RNU2-4P, RNU5B-1, RNU5A-1,</p> <p>Protein Size: 894</p>
Molecular Weight:	95 kDa
Gene ID:	3609
NCBI Accession:	NM_012218 , NP_036350
UniProt:	Q12906
Pathways:	M Phase

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 894 AA
Restrictions:	For Research Use only

Handling

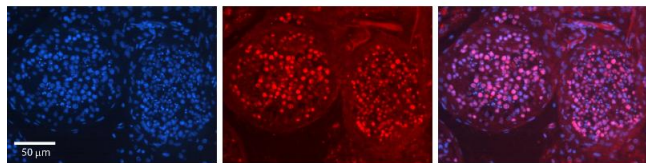
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-ILF3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HeLa cell lysate
There is BioGPS gene expression data showing that ILF3 is expressed in HeLa



Immunohistochemistry

Image 2. Rabbit Anti-ILF3 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Testis Tissue Observed Staining: Nucleus in spermatogonia and spermatocytes Primary Antibody Concentration: 1:100 Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec