

## Datasheet: VPA00549

<b>Description:</b>	GOAT ANTI ILF3
<b>Specificity:</b>	ILF3
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
<b>Product Form</b>	Purified IgG - liquid.
<b>Preparation</b>	Goat polyclonal antibody purified by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 0.5% Bovine Serum Albumin.
<b>Immunogen</b>	Peptide sequence C-QKPSYGSGYQSHQGQ

**External Database  
Links**

**UniProt:**

[Q12906](#)   [Related reagents](#)

**Entrez Gene:**

[3609](#)   ILF3   [Related reagents](#)

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**Synonyms**

DRBF, MPHOSPH4, NF90

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**Specificity**

**Goat anti Human ILF3 antibody** recognizes ILF3, also known as M-phase phosphoprotein 4, double-stranded RNA-binding protein 76, dsRNA binding protein NFAR-2/MPP4, interleukin enhancer binding factor 3, 90kD, nuclear factor associated with dsRNA, nuclear factor of activated T-cells 90 kDa or translational control protein 80.

ILF3 gene encodes a double-stranded RNA (dsRNA) binding protein that complexes with other proteins, dsRNAs, small noncoding RNAs, and mRNAs to regulate gene expression and stabilize mRNAs. This protein was first discovered to be a subunit of the nuclear factor of activated T-cells (NFAT); a transcription factor required for T-cell expression of interleukin 2. NFAT is a heterodimer of 45 kDa and 90 kDa proteins, the larger of which is the product of ILF3. These proteins have been shown to affect the redistribution of nuclear mRNA to the cytoplasm. Knockdown of NF45 or NF90 protein retards cell growth; possibly by inhibition of mRNA stabilization. In contrast, an isoform (NF110) of ILF3 that is predominantly restricted to the nucleus has only minor effects on cell growth when its levels are reduced. Alternative splicing results in multiple transcript variants encoding distinct isoforms (provided by RefSeq, Nov 2008).

Goat anti Human ILF3 antibody detects a band of 106 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti ILF3 detects a band of approximately 106 kDa in Raji cell lysates.

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**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee**

12 months from date of despatch.

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10058 available at:  
<https://www.bio-rad-antibodies.com/SDS/VPA00549>  
Antibody (10058)

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**Regulatory**

For research purposes only.

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## Related Products

### Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

**North & South** Tel: +1 800 265 7376

**Worldwide** Tel: +44 (0)1865 852 700

**Europe** Tel: +49 (0) 89 8090 95 21

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To  
find a

batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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