

Datasheet: AHP2070

**BATCH NUMBER 161028**

<b>Description:</b>	GOAT ANTI HUMAN FHL1
<b>Specificity:</b>	FHL1
<b>Other names:</b>	SLIM1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			2.0 - 2.5ug/ml
ELISA	▪			1/32000
Immunoprecipitation			▪	
Western Blotting	▪			0.05 - 0.3ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p>Based on sequence similarity, is expected to react with: Dog, Rat, Bovine, Pig</p> <p><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.</p>

<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to human FHL1 was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline.
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> ) 0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml.
<b>Immunogen</b>	Synthetic peptide sequence CNKRFVFNHNEQVY from the internal region of FHL1 (NP_001440.1; NP_001153171.1).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q13642</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2273</a>    FHL1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	SLIM1
<b>RRID</b>	AB_2104218
<b>Specificity</b>	<p><b>Goat anti Human FHL1 antibody</b> recognizes human Four and a half LIM domains protein 1, also known as FHL1, Skeletal muscle LIM-protein 1 or SLIM-1. FHL1 is a 323 amino acid ~30 kDa cytoplasmic protein containing multiple <a href="#">LIM</a> domains. FHL1 is abundantly expressed by skeletal muscle and has been linked with several muscular dystrophy-like muscle disorders, including Scapuloperoneal syndrome (<a href="#">Quinzii et al. 2008</a>), X-linked severe early-onset reducing body myopathy (<a href="#">Schlessl et al. 2011</a>), and X-linked myopathy with postural muscle atrophy (<a href="#">Windpassinger et al. 2008</a>).</p> <p>Goat anti Human FHL1 antibody is expected to recognise FHL1 isoform 5 and isoform 2, the latter being implicated as a negative regulator of RBP J- mediated transcription (<a href="#">Liang et al. 2008</a>).</p>
<b>Histology Positive Control Tissue</b>	Human testis.
<b>References</b>	<p>1. Emmanuele, V. <i>et al.</i> (2015) Fhl1 W122S causes loss of protein function and late-onset mild myopathy. <a href="#">Hum Mol Genet. 24 (3): 714-26.</a></p> <p>2. Can, T. <i>et al.</i> (2014) Proteomic analysis of laser capture microscopy purified myotendinous junction regions from muscle sections. <a href="#">Proteome Sci. 12: 25.</a></p>
<b>Storage</b>	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP2070">https://www.bio-rad-antibodies.com/SDS/AHP2070</a> 10058
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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)  
'M364108:200529'

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