

Datasheet: AHP2070

Description:	GOAT ANTI HUMAN FHL1
Specificity:	FHL1
Other names:	SLIM1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Mouse</p> <p>Based on sequence similarity, is expected to react with:Dog, Rat, Bovine, Pig</p> <p>N.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>
Product Form	Purified IgG - liquid

Antiserum Preparation Antiserum to human FHL1 was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution TRIS buffered saline.

Preservative 0.02% Sodium Azide (NaN₃)
Stabilisers 0.5% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 0.5mg/ml.

Immunogen Synthetic peptide sequence CNKRFVFNHNEQVY from the internal region of FHL1 (NP_001440.1; NP_001153171.1).

External Database Links

UniProt:

[Q13642](#)

[Related reagents](#)

Entrez Gene:

[2273](#)

FHL1

[Related reagents](#)

Synonyms SLIM1

RRID AB_2104218

Specificity **Goat anti Human FHL1 antibody** 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 [LIM](#) domains. FHL1 is abundantly expressed by skeletal muscle and has been linked with several muscular dystrophy-like muscle disorders, including Scapuloperoneal syndrome ([Quinzii et al. 2008](#)), X-linked severe early-onset reducing body myopathy ([Schlesl et al. 2011](#)), and X-linked myopathy with postural muscle atrophy ([Windpassinger et al. 2008](#)).

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 ([Liang et al. 2008](#)).

Histology Positive Control Tissue

Human testis.

References

- Emmanuele, V. *et al.* (2015) Fhl1 W122S causes loss of protein function and late-onset mild myopathy. [Hum Mol Genet. 24 \(3\): 714-26.](#)
- Can, T. *et al.* (2014) Proteomic analysis of laser capture microscopy purified myotendinous junction regions from muscle sections. [Proteome Sci. 12: 25.](#)

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10058 available at: https://www.bio-rad-antibodies.com/SDS/AHP2070 10058
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Regulatory	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 \(BUF025A\)](#)

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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

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