

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	Reacts with: Mouse Based on sequence similarity, is expected to react with: Dog, Rat, Bovine, Pig N.B. Antibody reactivity and working conditions may vary between species.
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 Stabilisers	0.02% Sodium Azide (NaN ₃) 0.5% Bovine Serum Albumin
Approx. Protein	IgG concentration 0.5mg/ml.

Concentrations

Immunogen Synthetic peptide sequence CNKRFVFHNEQVY 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

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 ([Schlessl 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

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.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10058 available at: 10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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