

Datasheet: AHP2070

BATCH NUMBER 161028

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| 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. 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.

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| 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 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 | <p>UniProt: Q13642 Related reagents</p> <p>Entrez Gene: 2273 FHL1 Related reagents</p> |
| Synonyms | SLIM1 |
| RRID | AB_2104218 |
| Specificity | <p>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).</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 (Liang et al. 2008).</p> |
| Histology Positive Control Tissue | Human testis. |
| References | <ol style="list-style-type: none"> Emmanuele, V. <i>et al.</i> (2015) Fhl1 W122S causes loss of protein function and late-onset mild myopathy. Hum Mol Genet. 24 (3): 714-26. Can, T. <i>et al.</i> (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.

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| 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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| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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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
'M364108:200529'

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