

Goat Anti-SLIMMER / FHL1 isoform B Antibody
Peptide-affinity purified goat antibody
Catalog # AF2001a**Specification**

Goat Anti-SLIMMER / FHL1 isoform B Antibody - Product Information

Application	WB, E
Primary Accession	Q13642
Other Accession	AAC72886.1 , 2273
Reactivity	Human
Predicted	Mouse, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	36263

Goat Anti-SLIMMER / FHL1 isoform B Antibody - Additional Information**Gene ID** 2273**Other Names**

Four and a half LIM domains protein 1, FHL-1, Skeletal muscle LIM-protein 1, SLIM, SLIM-1, FHL1, SLIM1

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-SLIMMER / FHL1 isoform B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-SLIMMER / FHL1 isoform B Antibody - Protein Information**Name** FHL1**Synonyms** SLIM1

Function

May have an involvement in muscle development or hypertrophy.

Cellular Location

[Isoform 1]: Cytoplasm. [Isoform 2]: Nucleus. Cytoplasm, cytosol. Note=Predominantly nuclear in myoblasts but is cytosolic in differentiated myotubes

Tissue Location

Isoform 1 is highly expressed in skeletal muscle and to a lesser extent in heart, placenta, ovary, prostate, testis, small intestine, colon and spleen. Expression is barely detectable in brain, lung, liver, kidney, pancreas, thymus and peripheral blood leukocytes. Isoform 2 is expressed in brain, skeletal muscle and to a lesser extent in heart, colon, prostate and small intestine. Isoform 3 is expressed in testis, heart and skeletal muscle

Goat Anti-SLIMMER / FHL1 isoform B Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-SLIMMER / FHL1 isoform B Antibody - Images

AF2001a (0.01 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-SLIMMER / FHL1 isoform B Antibody - Background

This gene encodes a member of the four-and-a-half-LIM-only protein family. Family members contain two highly conserved, tandemly arranged, zinc finger domains with four highly conserved cysteines binding a zinc atom in each zinc finger. Expression of these family members occurs in a cell- and tissue-specific mode and these proteins are involved in many cellular processes. Mutations

in this gene have been found in patients with Emery-Dreifuss muscular dystrophy. Multiple alternately spliced transcript variants which encode different protein isoforms have been described.

Goat Anti-SLIMMER / FHL1 isoform B Antibody - References

Contractures and hypertrophic cardiomyopathy in a novel FHL1 mutation. Knoblauch H, et al. Ann Neurol, 2010 Jan. PMID 20186852.

Immune evasion of the human pathogenic yeast *Candida albicans*: Pra1 is a Factor H, FHL-1 and plasminogen binding surface protein. Luo S, et al. Mol Immunol, 2009 Dec. PMID 19850343.

Mutations of the FHL1 gene cause Emery-Dreifuss muscular dystrophy. Gueneau L, et al. Am J Hum Genet, 2009 Sep. PMID 19716112.

Consequences of mutations within the C terminus of the FHL1 gene. Schoser B, et al. Neurology, 2009 Aug 18. PMID 19687455.

Four and a half LIM domains 1 (FHL1) and receptor interacting protein of 140kDa (RIP140) interact and cooperate in estrogen signaling. Lin J, et al. Int J Biochem Cell Biol, 2009 Jul. PMID 19401155.