

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
Primary Accession 013642

Other Accession AAC72886.1, 2273

Reactivity
Predicted
Host
Clonality
Concentration
Human
Mouse, Dog
Goat
Polyclonal
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

Format

0.5~mg lgG/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

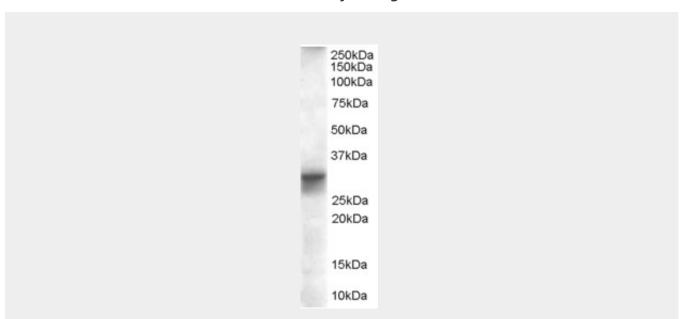
Isoform 1 is highly expressed in skeletal muscle and to a lesser extent in heart, placenta, ovary, prostate, testis, small intestine, colon and spleen. Expression is barely detectable in brain, lung, liver, kidney, pancreas, thymus and peripheral blood leukocytes. Isoform 2 is expressed in brain, skeletal 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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-SLIMMER / FHL1 isoform B Antibody - Images



AF2001a (0.01 μ g/ml) staining of Human Heart lysate (35 μ g 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.