

Goat Anti-FHL2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1415a**Specification**

Goat Anti-FHL2 Antibody - Product Information

Application	WB
Primary Accession	Q14192
Other Accession	NP_001441 , 2274 , 14200 (mouse) , 63839 (rat)
Reactivity	Human, Mouse
Predicted	Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	32193

Goat Anti-FHL2 Antibody - Additional Information**Gene ID** 2274**Other Names**

Four and a half LIM domains protein 2, FHL-2, LIM domain protein DRAL, Skeletal muscle LIM-protein 3, SLIM-3, FHL2, DRAL, SLIM3

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-FHL2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-FHL2 Antibody - Protein Information**Name** FHL2**Synonyms** DRAL, SLIM3**Function**

May function as a molecular transmitter linking various signaling pathways to transcriptional regulation. Negatively regulates the transcriptional repressor E4F1 and may function in cell growth. Inhibits the transcriptional activity of FOXO1 and its apoptotic function by enhancing the

interaction of FOXO1 with SIRT1 and FOXO1 deacetylation. Negatively regulates the calcineurin/NFAT signaling pathway in cardiomyocytes (PubMed:28717008).

Cellular Location

Cytoplasm. Nucleus. Cytoplasm, myofibril, sarcomere, Z line {ECO:0000250|UniProtKB:O35115}

Tissue Location

Expressed in skeletal muscle and heart.

Goat Anti-FHL2 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-FHL2 Antibody - Images

AF1415a (1 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-FHL2 Antibody - Background

LIM proteins contain a highly conserved double zinc finger motif called the LIM domain.

Goat Anti-FHL2 Antibody - References

Sp1 upregulates the four and half lim 2 (FHL2) expression in gastrointestinal cancers through transcription regulation. Guo Z, et al. Mol Carcinog, 2010 Sep. PMID 20607723.
Four-and-a-half LIM domain protein 2 is a novel regulator of sphingosine 1-phosphate receptor 1 in CCL19-induced dendritic cell migration. König K, et al. J Immunol, 2010 Aug 1. PMID 20592280.
Four-and-a-half LIM protein 2 promotes invasive potential and epithelial-mesenchymal transition in colon cancer. Zhang W, et al. Carcinogenesis, 2010 Jul. PMID 20460358.
Four and a half LIM domain 2 alters the impact of aryl hydrocarbon receptor on androgen receptor

transcriptional activity. Kollara A, et al. J Steroid Biochem Mol Biol, 2010 Jan. PMID 19815066.
The Patched dependence receptor triggers apoptosis through a DRAL-caspase-9 complex. Mille F, et al. Nat Cell Biol, 2009 Jun. PMID 19465923.