Data Sheet (Cat.No.TMAC-01482)

Anti-FHL2 Antibody (9R411)

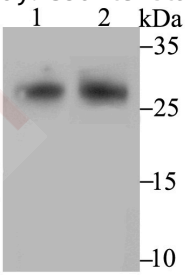
Product Details

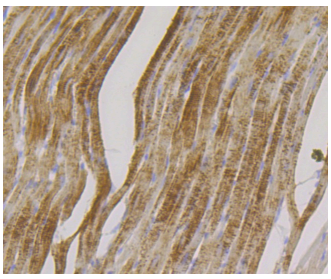
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 32 kDa.
Clone:	9R411
Purification:	ProA affinity purified

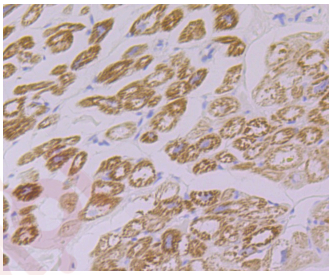
Applications

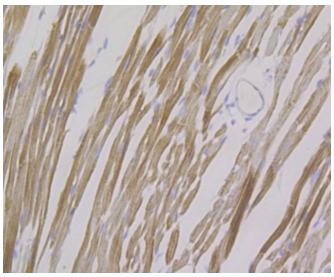
Verified Activity:

1. Western blot analysis of FHL2 on different tissue lysates using anti-FHL2 antibody at 1/1,000 dilution. Positive control: Lane 1: Rat heart, Lane 2: Mouse heart.
2. Immunohistochemical analysis of paraffin-embedded rat heart tissue using anti-FHL2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human fetal heart tissue using anti-FHL2 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-FHL2 antibody. Counter stained with hematoxylin.









Application:	IHC,IP,WB
Recommended	WB: 1:500-2000; IHC: 1:50-200; IP: 1:10-50

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: within C-terminal human FHL2
Antigen Species:	human
Uniprot ID:	Q14192
Synonyms:	AAG11;Four and a half LIM domains protein 2;SLIM-3;Aging associated gene 11; Downregulated in rhabdomyosarcoma LIM protein;FHL 2;FHL2 protein;Fhl2;DRAL;Skeletal muscle LIM protein 3;LIM domain protein DRAL;SLIM3;FHL2_HUMAN;FHL-2;Down regulated in rhabdomyosarcoma LIM protein;KIAA0990;Four and a half LIM domain protein 2;AAG 11;Four and a half LIM domains 2;SLIM 3;Skeletal muscle LIM-protein 3

Research Background

The four-and-a-half-LIM domain (FHL) proteins include FHL-1 (SLIM1), FHL-2 (SLIM3), FHL-3 (SLIM2) and FHL-4. The signature "half-domain", a single zinc finger domain located in the N-terminal region, differentiates FHLs from other LIM-only proteins, which have numbers of zinc fingers. Specific combinations of FHL proteins elicit selective activation of both CREB and CREM. Skeletal and cardiac muscle express FHL-1 in high levels as compared to the low level of expression in smooth muscle of the colon, small intestine and prostate. FHL-1 localizes to the cytosol of myoblasts, myotubes, and differentiated myocytes. FHL-2 is also located in cardiac and skeletal muscle, as well as in placenta and ovary tissues. FHL-3 is found in skeletal muscle, but absent in cardiac muscle. FHL-4 is expressed exclusively by the seminiferous epithelium of the testis, which suggests that FHL-4 is involved in spermatogenesis. The genetic loci for FHLs vary considerably despite similiar amino acid sequences among the FHL group.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481