

FHL2 Conjugated Antibody

Catalog No: #C49904



Package Size: #C49904-AF350 100ul #C49904-AF405 100ul #C49904-AF488 100ul

#C49904-AF555 100ul #C49904-AF594 100ul #C49904-AF647 100ul

#C49904-AF680 100ul #C49904-AF750 100ul #C49904-Biotin 100ul

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Description

Product Name	FHL2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within C-terminal human FHL2.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AAG 11 antibody AAG11 antibody Aging associated gene 11 antibody Down regulated in rhabdomyosarcoma LIM protein antibody Downregulated in rhabdomyosarcoma LIM protein antibody DRAL antibody FHL 2 antibody FHL-2 antibody Fhl2 antibody FHL2 protein antibody FHL2_HUMAN antibody Four and a half LIM domain protein 2 antibody Four and a half LIM domains 2 antibody Four and a half LIM domains protein 2 antibody KIAA0990 antibody LIM domain protein DRAL antibody Skeletal muscle LIM protein 3 antibody Skeletal muscle LIM-protein 3 antibody SLIM 3 antibody SLIM-3 antibody SLIM3 antibody
Accession No.	Swiss-Prot#:Q14192
Uniprot	Q14192
GeneID	2274;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	32 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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 similar amino acid sequences among the FHL group.

Note: This product is for in vitro research use only