Best Tools for immunology Research

FHL1 rabbit pAb

Catalog No :	YT7722
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	FHL1
Fields :	>>JAK-STAT signaling pathway
Gene Name :	FHL1 SLIM1
Protein Name :	FHL1
Human Gene Id :	2273
Human Swiss Prot No :	Q13642
Mouse Gene Id :	14199
Mouse Swiss Prot No :	P97447
Rat Gene Id :	25177
Rat Swiss Prot No :	Q9WUH4
Immunogen :	Synthesized peptide derived from human FHL1 AA range: 66-116
Specificity :	This antibody detects endogenous levels of FHL1 at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1□500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 36kD

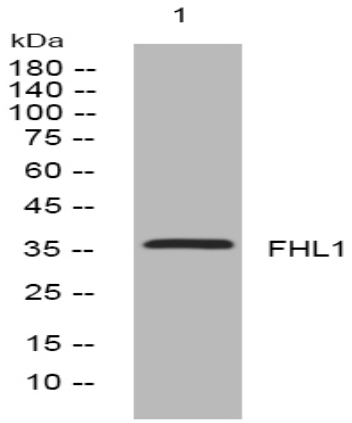
Background : This gene encodes a member of the four-and-a-half-LIM-only protein family. Family members contain two highly conserved, tandemly arranged, zinc finger domains with four highly conserved cysteines binding a zinc atom in each zinc finger. Expression of these family members occurs in a cell- 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.[provided by RefSeq, Nov 2009],

Function : developmental stage:Elevated levels during postnatal muscle growth.,disease:Defects in FHL1 are the cause of X-linked childhood-onset reducing body myopathy (RBM) [MIM:300718]. This disorder is allelic to severe early-onset reducing body myopathy (RBM) [MIM:300717].,disease:Defects in FHL1 are the cause of X-linked dominant scapuloperoneal myopathy [MIM:300695]. Scapuloperoneal syndrome (SPS) was initially described more than 120 years ago by Jules Broussard as 'une forme hereditaire d'atrophie musculaire progressive' beginning in the lower legs and affecting the shoulder region earlier and more severely than distal arm. The etiology of this condition remains unclear.,disease:Defects in FHL1 are the cause of X-linked myopathy with postural muscle atrophy (XMPMA) [MIM:300696]. Myopathies are inherited muscle disorders characterized by weakness and atrophy of voluntary skeletal muscle, and

Subcellular Location : [Isoform 1]: Cytoplasm.; [Isoform 3]: Cytoplasm. Nucleus.; [Isoform 2]: Nucleus. Cytoplasm, cytosol. Predominantly nuclear in myoblasts but is cytosolic in differentiated myotubes.

Expression : 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.

Products Images



Western blot analysis of lysates from PC-12 cells, primary antibody was diluted at 1:1000, 4°over night