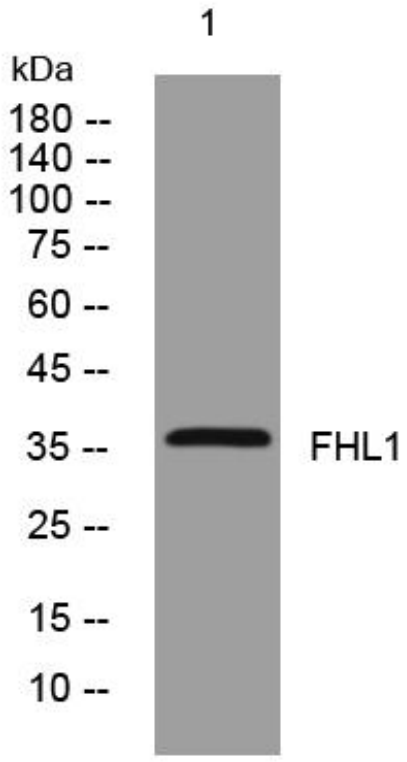
FHL1 mouse mAb

Catalog No	BYmab-12356
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	FHL1 SLIM1
Protein Name	FHL1
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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	[Isoform 1]: Cytoplasm.; [Isoform 3]: Cytoplasm. Nucleus.; [Isoform 2]: Nucleus. Cytoplasm, cytosol. Predominantly nuclear in myoblasts but is cytosolic in differentiated myotubes.
Tissue Specificity	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.
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
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using FHL1 mouse mAb