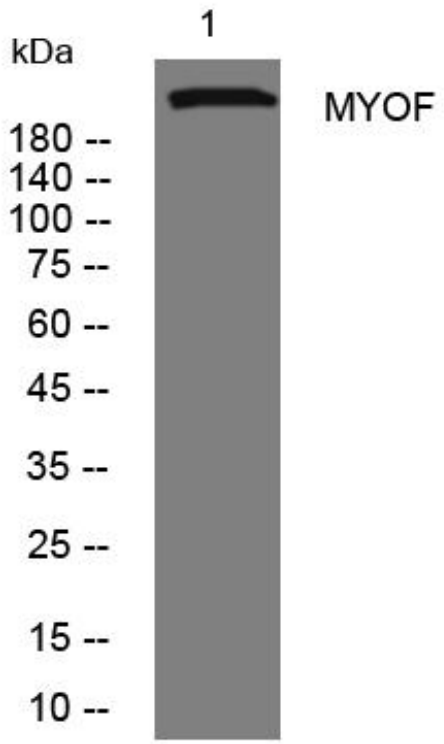
MYOF mouse mAb

Catalog No	BYmab-08684
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	MYOF FER1L3 KIAA1207
Protein Name	MYOF
Immunogen	Synthesized peptide derived from human MYOF AA range: 868-918
Specificity	This antibody detects endogenous levels of MYOF at Human/Mouse
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	Cell membrane; Single-pass type II membrane protein. Nucleus membrane; Single-pass type II membrane protein. Cytoplasmic vesicle membrane; Single-pass type II membrane protein. Concentrated at the membrane sites of both myoblast-myoblast and myoblast-myotube fusions. Detected at the plasmalemma in endothelial cells lining intact blood vessels (By similarity). Found at nuclear and plasma membranes. Enriched in undifferentiated myoblasts near the plasma membrane in puncate structures. .
Tissue Specificity	Expressed in myoblast and endothelial cells (at protein level). Highly expressed in cardiac and skeletal muscles. Also present in lung, and at very low levels in kidney, placenta and brain.
Function	cofactor:Binds calcium ions. The ions are bound to the C2 1 domain.,domain:The C2 domain 1 associates with lipid membranes in a calcium-dependent manner.,function:Calcium/phospholipid-binding protein that plays a role in the plasmalemma repair mechanism of endothelial cells that permits rapid resealing of membranes disrupted by mechanical stress. Involved in endocytic recycling.

	Implicated in VEGF signal transduction by regulating the levels of the receptor KDR.,similarity:Belongs to the ferlin family.,similarity:Contains 5 C2 domains.,subcellular location:Concentrated at the membrane sites of both myoblast-myoblast and myoblast-myotube fusions. Detected at the plasmalemma in endothelial cells lining intact blood vessels (By similarity). Found at nuclear and plasma membranes. Enriched in undifferentiated myoblasts near the plasma membrane in puncate structures.,subunit:Interacts with DNM
Background	Mutations in dysferlin, a protein associated with the plasma membrane, can cause muscle weakness that affects both proximal and distal muscles. The protein encoded by this gene is a type II membrane protein that is structurally similar to dysferlin. It is a member of the ferlin family and associates with both plasma and nuclear membranes. The protein contains C2 domains that play a role in calcium-mediated membrane fusion events, suggesting that it may be involved in membrane regeneration and repair. Two transcript variants encoding different isoforms have been found for this gene. Other possible variants have been detected, but their full-length nature has not been determined. [provided by RefSeq, Dec 2008],
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 MYOF mouse mAb