Product name:	MY18B Rabbit Polyclonal Antibody
Cat number:	ABN14260
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from human protein . at AA range: 1680-1760
Reactivity:	Human,Rat,Mouse
Applications:	IHC 1:50-1:300,ICC/IF 1:50-1:200
Molecular Weight:	282kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	The protein encoded by this gene may regulate muscle-specific genes when in the nucleus and may influence intracellular trafficking when in the cytoplasm. The encoded protein functions as a homodimer and may interact with F actin. Mutations in this gene are associated with lung cancer. [provided by RefSeq, Jul 2008],developmental stage:Reaches an expression peak in the third day after induction and remains at similar level during successive myotubule maturation.,disease:Defects in MYO18B are associated with lung cancer. Inactivated in half of the primary lung cancers and cell lines; the causes include deletions, mutations and promoter methylation.,function:May be involved in intracellular trafficking of the muscle cell when in the cytoplasm, whereas entering the nucleus, may be involved in the regulation of muscle specific genes. May play an important role as a tumor suppressor in the development of lung cancer.,similarity:Contains 1 IQ domain.,similarity:Contains 1 myosin head-like domain.,subcellular location:Punctate pattern in undifferentiated myoblasts. Nuclear, on primary cardiomyocytes and adult muscle. A partial sarcomeric location was found in some cardiomyocytes.,subunit:Homodimer. May interact with F actin through the GPA motif (Gly/Pro/Ala-rich).,tissue specificity:Selectively expressed in cardiac and skeletal muscles. Weakly expressed in testis, pancreas, placenta, prostate, lung and thymus.,