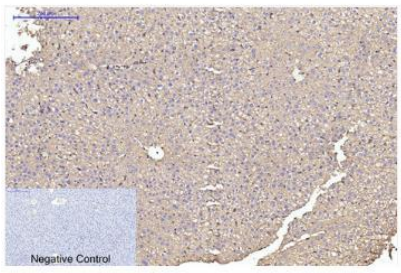
PRODUCT DATA SHEET

α skeletal muscle actin mAb (4B11)

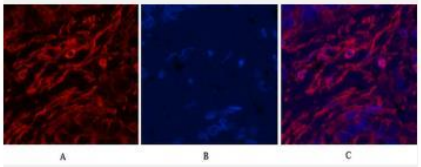
Catalog No.	IDS0097
Reactivity	Human; Mouse; Rat
Applications	WB; IP; IHC-p; IF/ICC
Alternative Names	Actin; alpha skeletal muscle; Alpha-actin-1; ACTA1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Mouse
Dilution	WB: 1:2000-1:10000; IP: 1:50; IHC: 1:50-1:300; IF: 1:200
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Concentration	N/A
Storage&Stability	Store at 4 ℃ short term. Aliquot and store at -20 ℃ long term. Avoid freeze-thaw cycles.
Subcellular Location	-
MW	~ 42 kDa
Background	The product encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in skeletal muscle. Mutations in this gene cause nemaline myopathy type 3, congenital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenital myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects.
Swiss-Prot	P68133

Products Images:

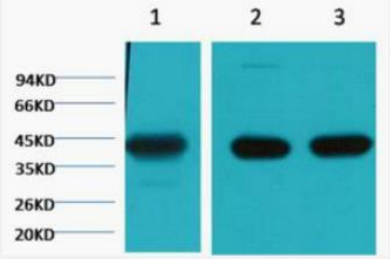


Immunohistochemical analysis of paraffin-embedded Rat-liver tissue. 1,α skeletal muscle actin Monoclonal Antibody(4B11) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

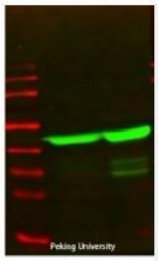
PRODUCT DATA SHEET



Immunofluorescence analysis of Human-liver-cancer tissue. 1,α skeletal muscle actin Monoclonal Antibody(4B11)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of 1) Hela, 2) Mouse Brain tissue, 3) Rat Brain tissue, diluted at 1:20000.



The picture was kindly provided by our customer