DGKA mouse monoclonal antibody

Catalog: MB67304 Host: Mouse Reactivity: Human

BackGround:

Troponin proteins associate with tropomyosin and regulate the calcium sensitivity of the myofibril contractile apparatus of striated muscles. Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions
and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. The TnI-fast and TnI-slow genes are expressed in fast-twitch and slow-twitch skeletal muscle fibers, respectively, while the TnI-cardiac gene is expressed exclusively in cardiac muscle tissue. This gene encodes the Troponin-I-skeletal-slow-twitch protein. This gene is expressed in cardiac and skeletal muscle during early development but is restricted to slow-twitch skeletal muscle fibers in adults. The encoded protein prevents muscle contraction by inhibiting calcium-mediated conformational changes in actin-myosin complexes.

Product:

PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Molecular Weight:

~ 80 kDa

Swiss-Prot:

P19237

Purification&Purity:

Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)

Applications:

WB 1:500, IHC 1:150

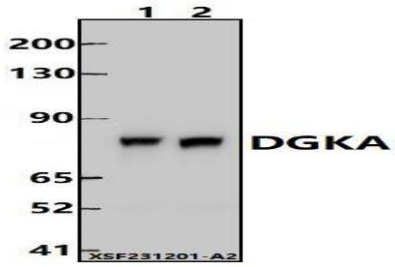
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

DGKA mouse monoclonal antibody detects endogenous levels of DGKA protein.

DATA:



Western blot (WB) analysis of DGKA mouse monoclonal antibody at 1:500 dilution

Lane1:EC9706 whole cell lysate(30ug)

Lane2:HCT116 whole cell lysate(30ug)

Note:

For research use only, not for use in diagnostic procedure.

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