

### 32-6053: Mouse Anti Human Calsequestrin(Clone: PAT4E10AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	PAT4E10AT.
<b>Application :</b>	ELISA,WB
<b>Gene :</b>	CASQ2
<b>Gene ID :</b>	845
<b>Uniprot ID :</b>	O14958
<b>Format :</b>	Purified
<b>Alternative Name :</b>	PDIB2,CASQ2,Calsequestrin-2,Calsequestrin cardiac muscle isoform,FLJ26321,FLJ93514.
<b>Isotype :</b>	Mouse IgG1 heavy chain and k light chain.
<b>Immunogen Information :</b>	Anti-human CASQ2 mAb, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with recombinant human CASQ2 amino acids 20-399 purified from E. coli.

#### Description

CASQ2 belongs to the calsequestrin family and is localized to the sarcoplasmic reticulum in cardiac and slow skeletal muscle cells. CASQ2 is a calcium binding protein that stores calcium for muscle function. The discharge of calcium bound to CASQ2 through a calcium release channel activates muscle contraction. CASQ2 binds 40 to 50 moles of calcium. CASQ2 mutations result in stress-induced polymorphic ventricular tachycardia, also called catecholaminergic polymorphic ventricular tachycardia 2 which is known for its bidirectional ventricular tachycardia that causes cardiac arrest.

#### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	CASQ2 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

#### Application Note

CASQ2 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1000. Recommended starting dilution is 1:1000.