



AK1 Mouse mAb

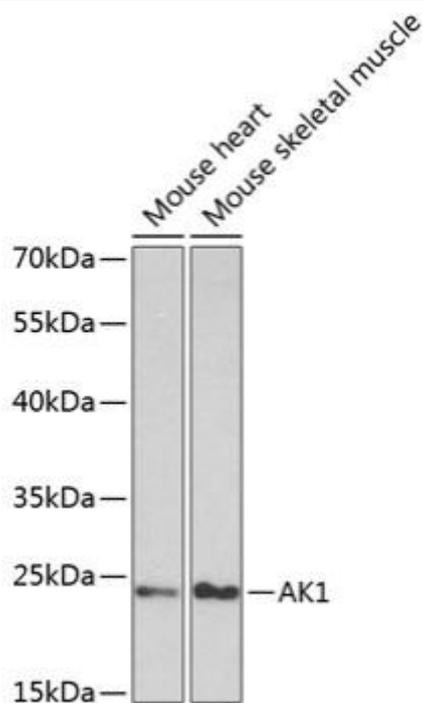
Catalog No	YP-mAb-18769
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	CASQ2
Protein Name	Calsequestrin-2 (Calsequestrin, cardiac muscle isoform)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-194 of human AK1
Specificity	
Formulation	
Source	
Purification	Affinity purification
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HTL-S-58j; AK1
Observed Band	22kDa
Cell Pathway	
Tissue Specificity	
Function	
Background	This gene encodes an adenylate kinase enzyme involved in energy metabolism and homeostasis of cellular adenine nucleotide ratios in different intracellular compartments. This gene is highly expressed in skeletal muscle, brain and erythrocytes. Certain mutations in this gene resulting in a functionally inadequate enzyme are associated with a rare genetic disorder causing nonspherocytic hemolytic anemia. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. This gene shares readthrough transcripts with the upstream ST6GALNAC6 gene
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 lysates using AK1 Mouse pAb (A1218) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST.