

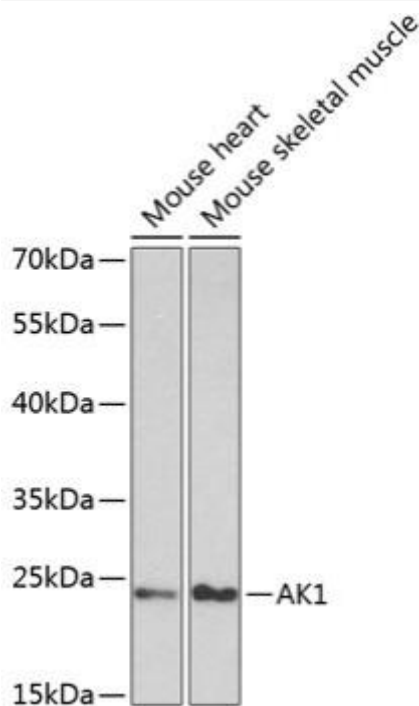


AK1 Mouse mAb

| | |
|----------------------------------|---|
| 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: 25μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST.