# CKB/CKM Rabbit pAb

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| **Catalog No** | YP-Ab-18425 |
| **Isotype** | IgG |
| **Reactivity** | Human,Mouse,Rat |
| **Applications** | WB |
| **Gene Name** | CKB CKBB |
| **Protein Name** | Synthesized peptide derived from human CKB/CKM |
| **Immunogen** | This antibody detects endogenous levels of CKB/CKM at Human, Mouse,Rat |
| **Specificity** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Formulation** | |
| **Source** | WB 1:500-2000 |
| **Purification** | 1 mg/ml |
| **Dilution** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | 42kD |
| **Observed Band** | |
| **Cell Pathway** | |
| **Tissue Specificity** | |
| **Function** | Cytoplasm, cytosol . Mitochondrion . Localizes to the mitochondria of thermogenic fat cells via the internal MTS-like signal (iMTS-L) region. . |
| **Background** | Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate) . Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa (Probable). Acts as a key regulator of adaptive thermogenesis as part of the futile creatine cycle: localizes to the mitochondria of thermogenic fat cells and acts by mediating phosphorylation of creatine to initiate a futile cycle of creatine phosphorylation and dephosphorylation (By similarity). During the futile creatine cycle, creatine and N-phosphocreatine are in a futile cycle, which dissipates the high energy charge of N-phosphocreatine as heat without performing any mechanical or chemical work (By similarity). |
| **matters needing attention** | Avoid repeated freezing and thawing! |

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| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

## Products Images