

Uniprot ID: [P12277](#)

Protein name: KCRB\_HUMAN

Full name: Creatine kinase B-type

Protein existence: evidence at protein level

Function: 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.

Subcellular location: Cytoplasm.

Three antibodies: CKB-1, CKB-2 and CKB-3 were tested. CKB-1 and CKB-2 were approved for IHC. CKB-2 was selected for full protein profiling.

# CKB-1

## CKB-1 (CAB047312)

OK



### Immunohistochemistry

IHC protocol: HIER pH 6, Dilution 1:3000

IHC test staining: Cytoplasmic staining with strong intensity in e.g. neuropil, kidney, muscle.

### Western blot

WB Size markers (kDa): 250, 130, 95, 72, 55, 36, 28, 17, 11

WB Lanes: Marker(1), RT-4(2), U251 MG(3), Plasma(4), Liver(5), Tonsil(6)

WB Target weight (kDa): 43, 7, 24, 39, 20, 14, 2, 10

WB Validation: Supportive - Band of predicted size in kDa (+/-20%) with additional bands present.

