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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB11997 - Goat Anti-creatine kinase M-type (aa258-270) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CKM, creatine kinase, muscle, CKMM, M-CK, creatine kinase M chain, creatine kinase M-type, creatine kinase-M

**Official Symbol:** CKM

**Accession Number(s):** NP\_001815.2

**Human GeneID(s):** [1158](#)

**Non-Human GeneID(s):** 12715 (mouse), 24265 (rat)

### Immunogen

Peptide with sequence C-QKIEEIFKKAGHP, from the internal region of the protein sequence according to NP\_001815.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

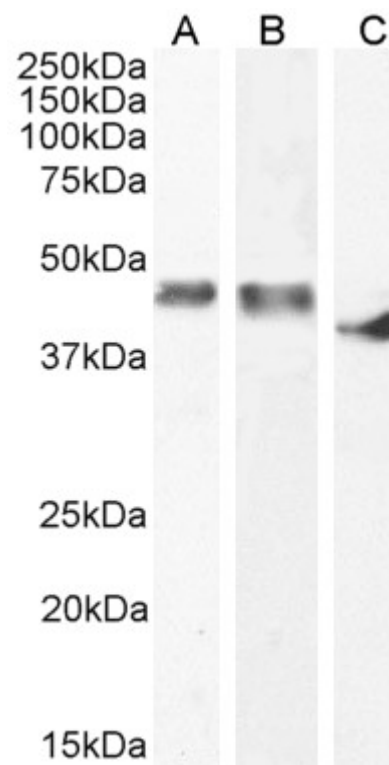
**Peptide ELISA:** antibody detection limit dilution 1:8000.

**Western blot:** Approx 45kDa band observed in Human and Pig Heart lysates, and approx 40kDa in Rat Heart lysates (calculated MW of 43.1kDa according to Human NP\_001815.2 and 43kDa according to Rat NP\_036662.1 and Pig NP\_001123421.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

### Species Reactivity

**Tested:** Human, Rat, Pig

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



EB11997 (0.3 $\mu$ g/ml) staining of Human (A) Pig (B) and (0.1 $\mu$ g/ml) Rat (C) Heart lysates (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.