ARG58438
anti-CKM / Creatine Kinase M antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CKM / Creatine Kinase M
Tested Reactivity	Hu, Ms, Rat, Pig
Predict Reactivity	Cow, Dog
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CKM / Creatine Kinase M
Species	Human
Immunogen	Synthetic peptide from the internal region of Human CKM / Creatine phosphokinase M type (NP_001815.2). (C-QKIEEIFKKAGHP)
Conjugation	Un-conjugated
Alternate Names	CKMM; M-CK; Creatine kinase M chain; EC 2.7.3.2; Creatine kinase M-type

Application Instructions

Application table

Application	Dilution
WB	0.1 - 0.3 µg/ml

Application Note: WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 45 kDa

Properties

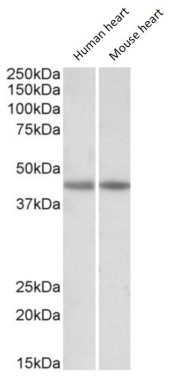
Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

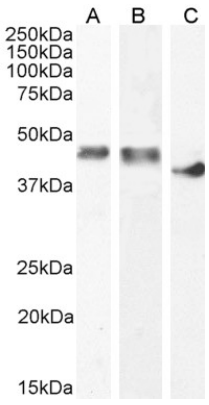
Gene Symbol	CKM
Gene Full Name	creatine kinase, muscle
Background	The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	43 kDa

Images



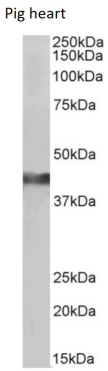
ARG58438 anti-CKM / Creatine Kinase M antibody WB image

Western blot: 35 µg of Human heart and Mouse heart lysates (in RIPA buffer) stained with ARG58438 anti-CKM / Creatine Kinase M antibody at 0.03 µg/ml dilution. Primary incubation was 1 hour. Detected by chemiluminescence.



ARG58438 anti-CKM / Creatine Kinase M antibody WB image

Western blot: 35 µg of Human (A) Pig (B) and Rat (C) heart lysates (in RIPA buffer) stained with ARG58438 anti-CKM / Creatine Kinase M antibody at 0.3 µg/ml (A, B) and 0.1 µg/ml (C) dilutions and incubated at RT for 1 hour.



ARG58438 anti-CKM / Creatine Kinase M antibody WB image

Western blot: 35µg of Pig heart lysate (in RIPA buffer) stained with ARG58438 anti-CKM / Creatine Kinase M antibody at 0.3 µg/ml dilution. Primary incubation was 1 hour. Detected by chemiluminescence.