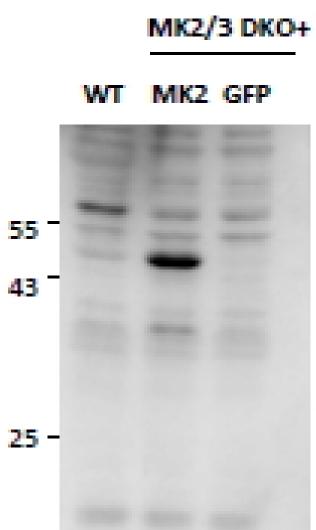
Telephone: (650) 697-3600



Email: customerservice@vectorlabs.com

GOAT ANTI-MK2 / MAPKAPK2 ANTIBODY

SKU: EB11929



SPECIFICATIONS

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Unit Size $100 \mu g$





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Storage

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

Synonym /

Alias **Names**

MAPKAP kinase 2|MAPK-activated protein kinase 2|MAP kinase-activated protein kinase 2|MK2|MK-2|MAPKAP-

K2|mitogen-activated protein kinase-activated protein kinase 2|MAPKAPK2

Immunoprecipitation: MK2/MK3 double knockout MEFs retrovirally transduced wiith MK2 or empty vector were lysed from confluent plates and used for IP with 1.5ug EB11929 or EB11930. Western blots of the IP were labelled with rabbit anti-MK2 (CST). An approx 45kDa of MK2 is only precipitated from lysates of those **Summary** KO MEFs that have been rescued by the MK2 expression construct as described in PMID: 19743408. Data obtained

from Dr. M. B. Menon, Inst. Biochemistry, Hannover Medical School, Germany.

Accession

Usage

ID

NP_004750.1; NP_116584.2

Blocking Peptide

EBP11929

Immunogen

Peptide with sequence C-SRVLKEDKERWED, from the internal region (near C Terminus) of the protein sequence

according to NP_004750.1; NP_116584.2.

Product Comments

This antibody is expected to recognize both reported isoforms (NP 004750.1; NP 116584.2).

Peptide

C-SRVLKEDKERWED Sequence

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using

Method the immunizing peptide.

Shipping

Refrigerated Instructions

Predicted

Human, Mouse, Rat, Dog, Cow **Species**

Reactive

Species

Human, Mouse

Human

9261 Gene ID

Mouse

17164 **Gene ID**

Rat Gene ID 289014

Product

https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite plus medium.png Grade

IHC Results Paraffin embedded Human Heart. Recommended concentration: 5µg/ml.

Detection Antibody detection limit dilution 1:128000.

I imit

Approx 60kDa band observed in Mouse Embryonic Fibroblasts (MEF) lysates, not present in the knockout MEFs and

reappearing as a 45kDa band upon reintroduction of MK2 gene expression through viral transduction (calculated

Western **Blot**

MW of 44.0kDa according to Mouse NP 032577.1). The observed molecular weights correspond to earlier findings in literature with different antibodies (Menon et al, Cell Motil Cytoskeleton. 2009 Dec;66(12):1041-7. PMID: 19743408). There is no cross-reactivity to MK5. Data obtained from Dr. M. B. Menon, Inst. Biochemistry, Hannover Medical

School, Germany. Recommended concentration: 0.5-2µg/ml.

Application

Type

Pep-ELISA, WB, IP, IHC

GALLERY IMAGES







