Anti-MK2/MAPKAPK2 antibody (Internal) (STJ72942)

STJ72942

GENERAL INFORMATION

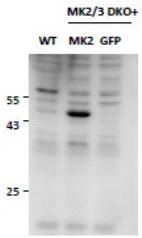
Product Type	Primary antibodies
Short Description	Goat polyclonal antibody anti-MK2/MAPKAPK2 (Internal) is suitable for use in ELISA, Western Blot, Immunoprecipitation and Immunohistochemistry research applications.
Applications	Pep-ELISA/WB/IP/IHC
Host/Source	Goat
Reactivity	Human/Mouse/Rat/Dog/Cow

PRODUCT PROPERTIES

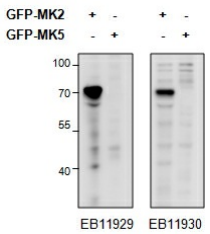
Clonality	Polyclonal
Clone ID	
Concentration	0.5 mg/mL
Conjugation	Unconjugated
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Dilution Range	Peptide ELISA: antibody detection limit dilution 1:128000. WB: 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 th
Formulation	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. NA
Isotype	IgG
Storage Instruction	Store at-20°C on receipt and minimise freeze-thaw cycles.

TARGET INFORMATION

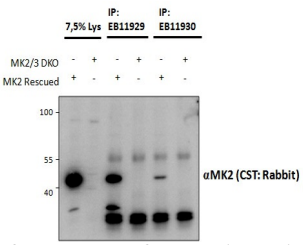
Gene ID	9261
Gene Symbol	MAPKAPK2
Uniprot ID	MAPK2_HUMAN
Immunogen	
Immunogen Region	Internal
Specificity	This antibody is expected to recognize both reported isoforms (NP_004750.1; NP_116584.2).
Immunogen Sequence	SRVLKEDKERWED



STJ72942 (0. 5Âµg/ml) staining of MEF lysates (35Âµg protein in RIPA buffer) , from double KO mice in second and third lanes and rescued by introduction of MK2 gene in second lane. Primary incubation was 2 hour. Detected by chemiluminescence.



HEK293 overexpressing Mouse MK2 fused to GFP or overexpressing MK5 fused to GFP and probed with STJ72942 (0. 5ug/ml) in the left panel and with STJ72943 (0. 5ug/ml) in the right panel.



STJ72942 and STJ72943 (1. 5ug) immunoprecipitations from lysates of MK2/MK3 double knockout MEFs, with (third and fifth lanes) and without (fourth and sixth lanes) rescued MK2 expression through retroviral transduction. The corresponding lysates (first and second lane resp.) were analyzed in parallel in this Western blot labelled with rabbit anti-MK2.

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