

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

STJ72942

### GENERAL INFORMATION

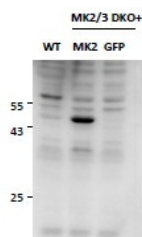
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	Goat polyclonal antibody anti-MK2/MAPKAPK2 (Internal) is suitable for use in ELISA, Western Blot and Immunohistochemistry research applications.
<b>Applications</b>	Pep-ELISA, WB, IHC
<b>Host/Source</b>	Goat
<b>Reactivity</b>	Human, Mouse,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

### PRODUCT PROPERTIES

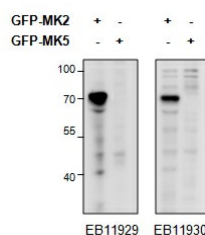
<b>Clonality</b>	Polyclonal
<b>Clone ID</b>	
<b>Concentration</b>	0.5 mg/mL
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Dilution Range</b>	IHC-5µg/ml ELISA-antibody detection limit dilution 1:128000.
<b>Formulation</b>	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. NA
<b>Isotype</b>	IgG
<b>Storage Instruction</b>	Store at -20 on receipt and minimise freeze-thaw cycles.

### TARGET INFORMATION

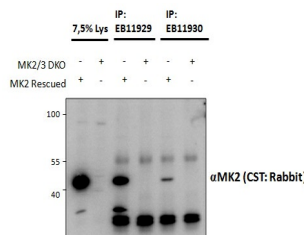
<b>Gene ID</b>	9261
<b>Gene Symbol</b>	MAPKAPK2
<b>Uniprot ID</b>	MAPK2_HUMAN
<b>Immunogen</b>	Internal
<b>Region</b>	
<b>Specificity</b>	This antibody is expected to recognize both reported isoforms (NP_004750.1; NP_116584.2).
<b>Immunogen Sequence</b>	SRVLKEDKERWED



STJ72942 (0.5 µg/ml) staining of MEF lysates (35 µg 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 (0.5 µg/ml) in the left panel and with STJ72943 (0.5 µg/ml) in the right panel.



STJ72942 and STJ72943 (1-5 µg) 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.