

Product datasheet for **AP32809PU-N**

PRAK (MAPKAPK5) (192-206) Goat Polyclonal Antibody

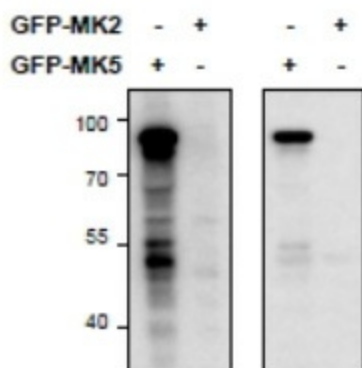
Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	Peptide ELISA: 1/64000 (Detection Limit). Western blot: 0.5-1 µg/ml. In transfected HEK293 transiently expressing either Mouse MK5 fused to GFP or the similar Mouse MK2 fused to GFP; only the expected band was observed in the MK5 lane after AP32809PU-N labeling. <i>Data obtained from Dr. M. B. Menon, Inst. Biochemistry, Hannover Medical School, Germany.</i> Immunoprecipitation: MK5/ERK3 double knockout Mouse Embryonic Fibroblasts (MEFs) retrovirally transduced with Mk5/Erk3 or empty vector (GFP) were lysed from confluent plates and used for IP with 1.5 µg AP32808PU-N or AP32809PU-N. Western blots of the Immunoprecipitation were labelled with Mouse anti-MK5 (SC) or with Rabbit anti-ERK3 serum (CST). An approx 55kDa of MK5 is only precipitated from lysates of those KO MEFs that have been rescued by the ERK3/MK5 expression constructs described in PMID: 22508986. <i>Data obtained from Dr. M. B. Menon, Inst. Biochemistry, Hannover Medical School, Germany.</i> Immunohistochemistry on Paraffin Sections: 4-8 µg/ml. In paraffin embedded Human Kidney shows nuclear staining in the DCT.
Reactivity:	Bovine, Canine, Human, Mouse, Porcine, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region (192-206) of the protein sequence according to NP_003659.2; NP_620777.1.
Specificity:	Recognizes MK5 / MAPKAPK5 (192-206).
Formulation:	Tris saline, pH~7.3, 0 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific

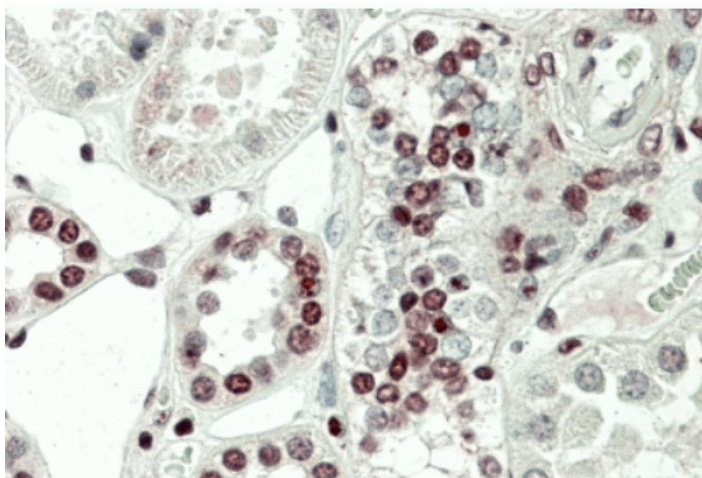


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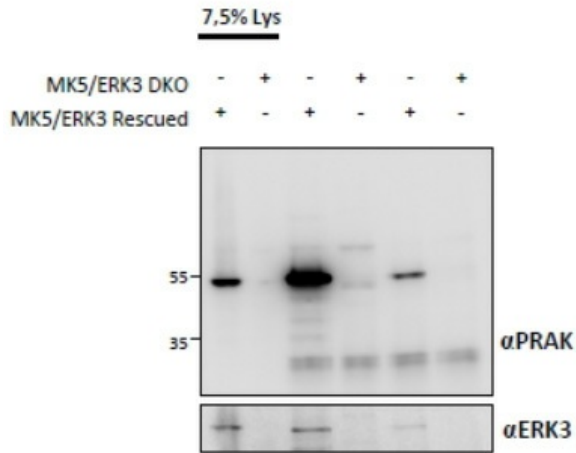
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mitogen-activated protein kinase-activated protein kinase 5
Database Link:	Entrez Gene 8550 Human Q8IW41
Synonyms:	MAPK-activated protein kinase 5, MAPKAP kinase 5, MAPKAPK5, PRAK

Product images:


HEK293 lysate (10ug protein in RIPA buffer) overexpressing Mouse MK5-GFP (first lane) or Mouse MK2-GFP (second lane) probed with -N (0.5 ug/ml) in right panel and with (0.5ug/ml) on left panel, Primary incubations were for 2 hours. Detected by chemiluminescence.



(5 ug/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



-N and-N (1.5 ug) immunoprecipitations from lysates of MK5/ERK3 double knockout MEFs, with (third and fifth lanes) and without (fourth and sixth lanes) rescued MK5/ERK3 expression through retroviral transduction. The corresponding lysates (first and second lane resp.) were analyzed in parallel in this Western blot labelled with mouse anti-MK5 / PRAK (and co-precipitation was measured using rabbit anti-ERK3 in the lower panel).