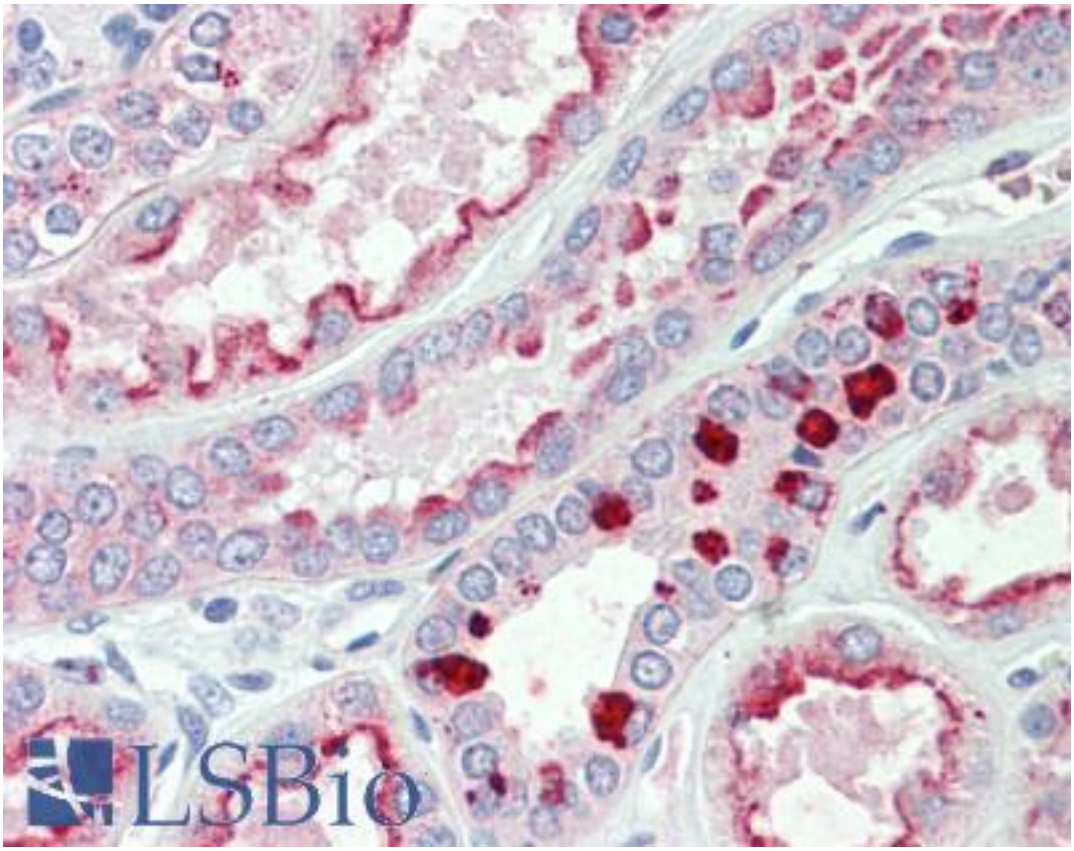
LSBio
LifeSpan BioSciences, Inc.

MAPKAPK5 / PRAK Goat anti-Human Polyclonal (Internal) Antibody - LS-B9567 - LSBio

CatalogID:	LS-B9567
Validation:	This antibody replaces catalog number LS-C186552. It has been validated for use in the following assays: IHC-P.
Target:	mitogen-activated protein kinase-activated protein kinase 5 (MAPKAPK5)
Synonyms:	MAPKAPK5 Antibody, MAPKAP kinase 5 Antibody, MAPKAP-K5 Antibody, MK5 Antibody, p38-regulated/activated kinase Antibody, MAPKAPK-5 Antibody, PRAK Antibody, MK-5 Antibody, p38-regulated protein kinase Antibody
Family / Subfamily:	Protein Kinase / MAPKAPK
Host	MAPKAPK5 antibody was produced in Goat
Clonality:	Polyclonal
Immunogen Species:	MAPKAPK5 / PRAK antibody was raised against Human
Antigen Type:	Synthetic peptide
Immunogen:	MAPKAPK5 / PRAK antibody was raised against synthetic peptide C-STEALDNVLPSAQ from an internal region of human MAPKAPK5 / PRAK (NP_003659.2; NP_620777.1). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Ferret, Elephant, Panda, Bovine, Dog, Cat, Horse, Rabbit, Pig, Guinea pig, Lizard (100%); Opossum, Turkey, Zebra finch, Chicken, Platypus, Xenopus, Stickleback, Medaka, Pufferfish, Zebrafish (92%).
Specificity:	Human MAPKAPK5 / PRAK
Epitope:	Internal
Reactivity:	Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey, Mouse, Rat, Bovine, Dog, Guinea pig, Horse, Pig, Rabbit
Purification:	Immunoaffinity purified
Presentation:	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Recommended Storage:	Store at -20°C. Minimize freezing and thawing.
Usage Summary:	Peptide ELISA: antibody detection limit dilution 1:32000. Western blot: 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 EB11927 labeling. Data obtained from Dr. M. B. Menon, Inst. Biochemistry, Hannover Medical School, Germany. Recommended concentration, 0.5-1 ug/ml. 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 ug EB11927 or EB11928. Western blots of the IP were labeled with mouse anti-MK5 (SC) or with rabbit anti-ERK3 serum (CST). An approx 55kD of MK5 is only precipitated from lysates of those KO MEFs that have been rescued by the ERK3/MK5 expression construct as described in PMID: 22508986. Data obtained from Dr. M. B. Menon, Inst. Biochemistry, Hannover Medical School, Germany.
Uses:	IHC - Paraffin (5 µg/ml), Western blot (0.5 - 1 µg/ml), ELISA (1:32000) (Optimal dilution to be determined by the researcher)
Size:	50 µg

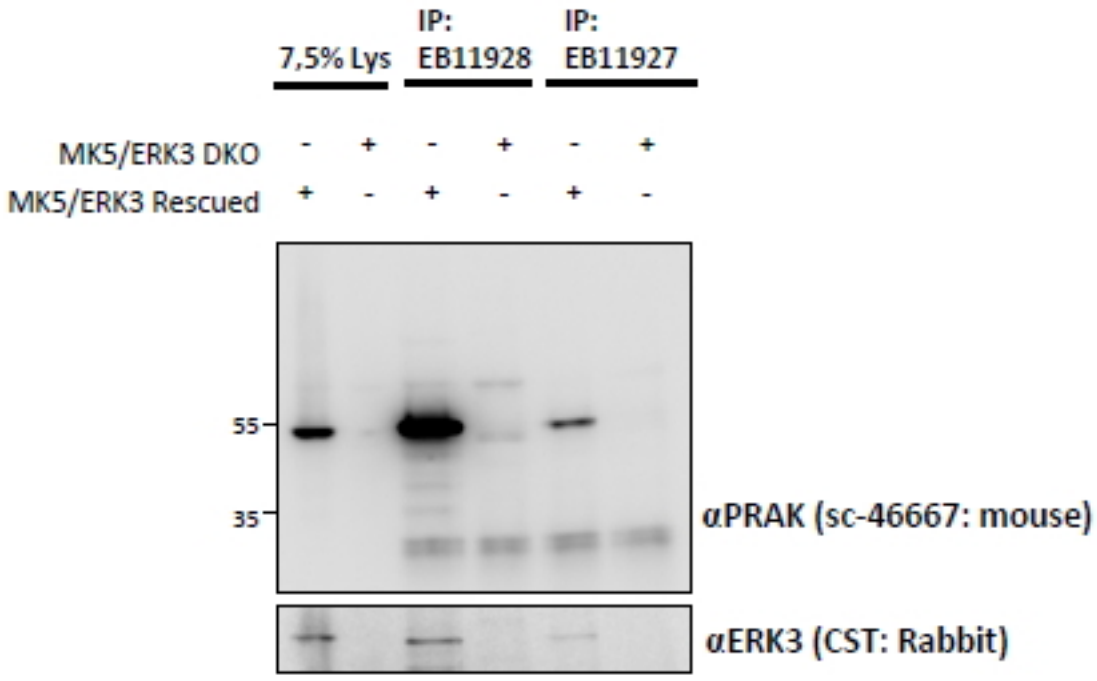
Concentration:	0.5 mg/ml

Immunohistochemistry Image:



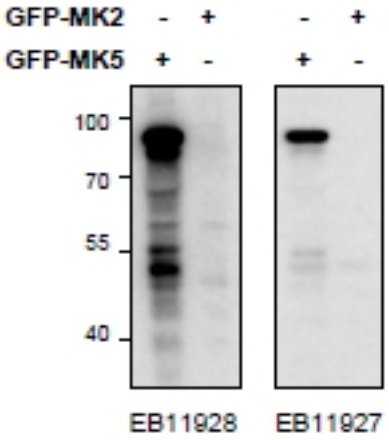
Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)

Western Blot Image:



MAPKAPK5 antibody and EB11928 (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 labeled with mouse anti-MK5 / PRAK (and co-precipitation was measured using rabbit anti-ERK3 in the lower panel).

Western Blot Image:



MAPKAPK5 antibody HEK293 lysate (10 ug protein in RIPA buffer) overexpressing Mouse MK5-GFP (first lane) or Mouse MK2-GFP (second lane) probed with (0.5 ug/ml) in right panel and with EB11928 (0.5 ug/ml) on left panel, Primary incubations were for 2 hours. Detected by chemiluminescence.

Requested From:	Japan