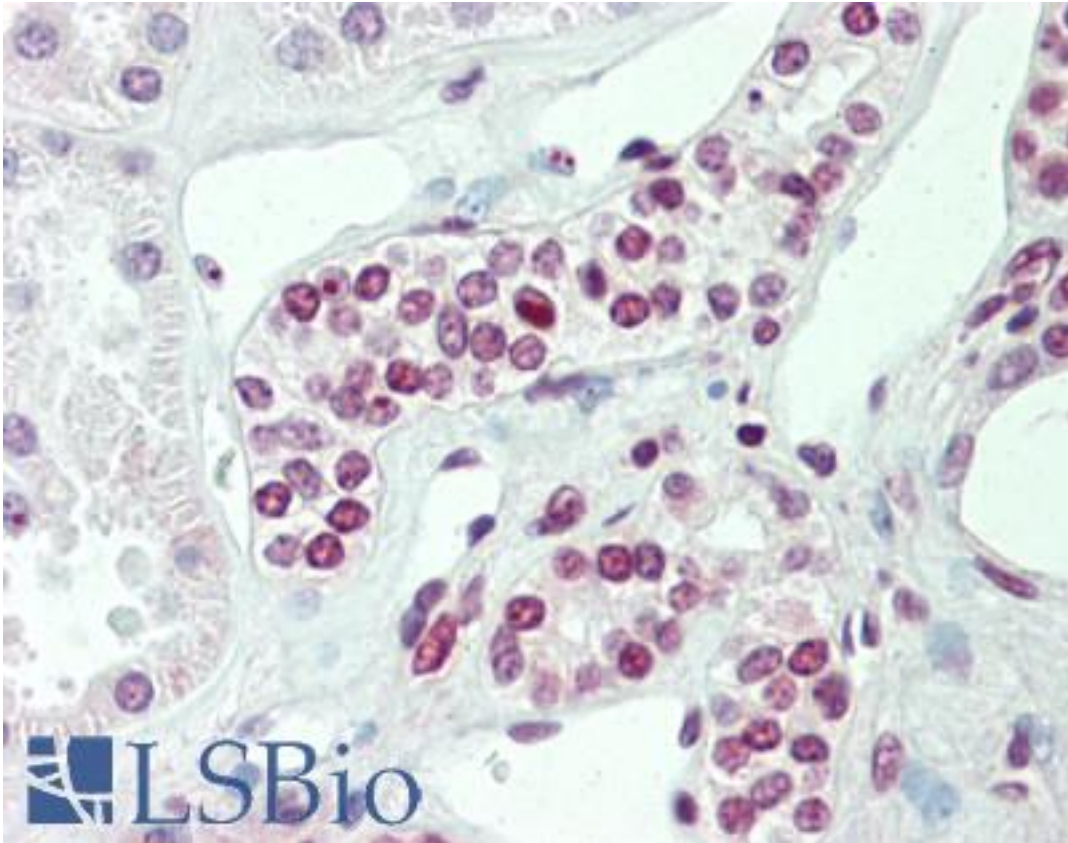


MAPKAPK5 / PRAK Goat anti-Human Polyclonal (aa192-206) Antibody - LS-B9569 - LSBio	
CatalogID:	LS-B9569
Validation:	This antibody replaces catalog number LS-C186551. It has been validated for use in the following assays: IHC-P.
Target:	mitogen-activated protein kinase-activated protein kinase 5 (MAPKAPK5)
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-PQVLEAQRHRHQKEKS 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, Opossum, Guinea pig, Zebra finch, Chicken, Lizard, Stickleback, Medaka, Pufferfish, Zebrafish (100%); Turkey, Platypus, Xenopus (93%); Sea squirt (80%).
Specificity:	Human MAPKAPK5 / PRAK
Epitope:	aa192-206
Reactivity:	Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey, Mouse, Rat, Bovine, Dog, Guinea pig, Horse, Pig, Rabbit, Chicken, Zebrafish
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 1:64000. 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 EB11928 labeling. Data obtained from Dr. M. B. Menon, Inst. Biochemistry, Hannover Medical School, Germany. Recommended concentration, 0.5-1 µg/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 µg 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 (1:64000) (Optimal dilution to be determined by the researcher)
Size:	50 µg

Concentration:

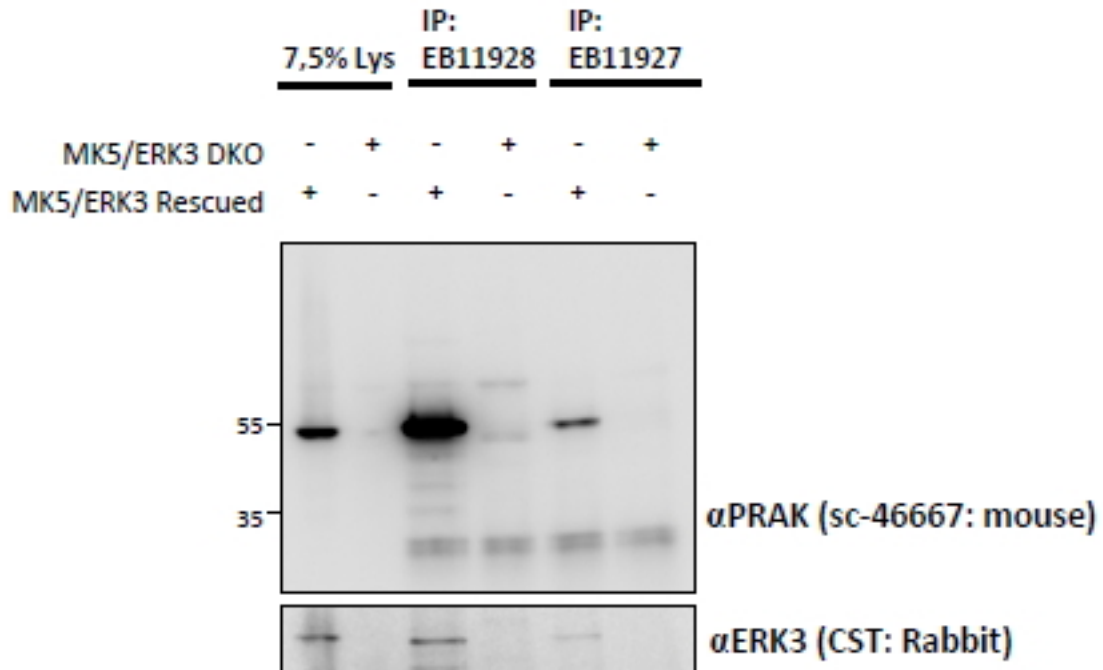
0.5 mg/ml

Immunohistochemistry Image:



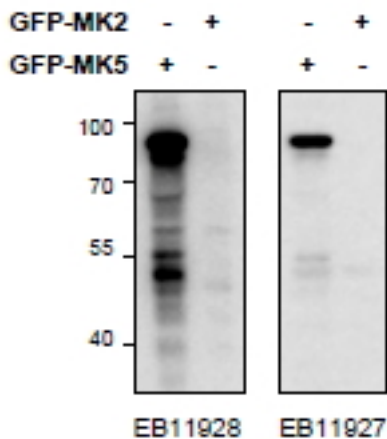
Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)

Western Blot Image:



MAPKAPK5 antibody EB11927 and (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 EB11927 (0.5 ug/ml) in right panel and with (0.5 ug/ml) on left panel, Primary incubations were for 2 hours. Detected by chemiluminescence.

Requested From:

Japan

Laboratory Reagent For In Vitro Research Use Only

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