

Product datasheet for **AP32807PU-N**

MAPK6 Goat Polyclonal Antibody

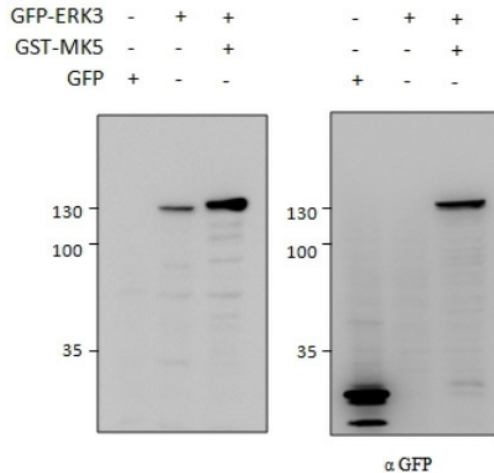
Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	<p>Peptide ELISA: 1/128000 (Detection Limit).</p> <p>Western blot: 0.5-1 µg/ml. In transfected HEK293 transiently expressing Mouse ERK3 / Mapk6 fused to GFP the band with expected size is intensified when co-expressed with MK5 as the stabilizer for ERK3.</p> <p>No bands are observed in transfected HEK293 with empty vector and the same band is observed using anti-GFP antibody. <i>Data obtained from Dr. M. B. Menon, Inst. Biochemistry, Hannover Medical School, Germany.</i></p> <p>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 MAPK6 / ERK3 Antibody Cat.-No AP32807PU-N. Western blots of the IP were labelled with Rabbit anti-ERK3 serum (CST) or with Mouse anti-MK5 (SC). An approx 100kDa of ERK3 is only precipitated from lysates of those KO MEFs that have been rescued by the ERK3/MK5 expression construct as described in in PMID: 22508986. <i>Data obtained from Dr. M. B. Menon, Inst. Biochemistry, Hannover Medical School, Germany.</i></p> <p>Immunohistochemistry on Paraffin Sections: 10 µg/ml in Paraffin embedded Human Heart.</p>
Reactivity:	Bovine, Canine, Human, Mouse, Porcine, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region (near C-Terminus) of the protein sequence according to NP_002739.1.
Specificity:	Recognizes MAPK6 / ERK3.
Formulation:	<p>Tris saline, pH~7.3</p> <p>State: Aff - Purified</p> <p>State: Liquid purified Ig fraction</p> <p>Stabilizer: 0.5% BSA</p> <p>Preservative: 0.02% Sodium Azide</p>
Concentration:	lot specific

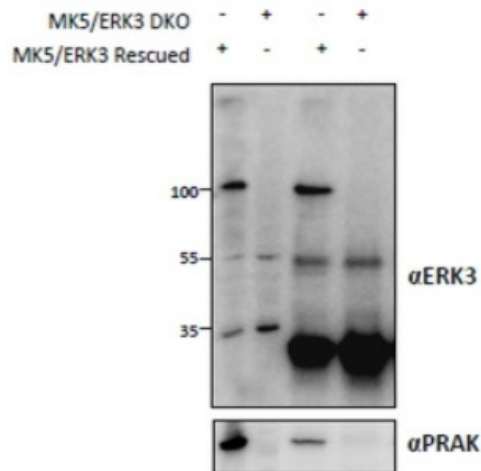


[View online »](#)

Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Gene Name:	mitogen-activated protein kinase 6
Database Link:	Entrez Gene 5597 Human Q16659
Synonyms:	Mitogen-activated protein kinase 6, MAP kinase isoform p97, p97-MAPK

Product images:


HEK293 lysate (10 ug protein in RIPA buffer) overexpressing GFP-fused Mouse ERK3 probed with MAPK6 / ERK3 Antibody (0.5 ug/ml) in left panel and with anti-GFP in right panel. GFP-only expression in the first lane. Primary incubations were for 2 hours. Detected by chemiluminescence.



MAPK6 / ERK3 Antibody (1.5 ug) Immunoprecipitation from lysates of MK5/ERK3 double knockout MEFs, with (third lane) and without (fourth lane) 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 Rabbit anti-Erk3 (and co-precipitation was measured using Mouse anti-MK5/PRAK in the lower panel).