

Polyclonal Antibody to MAPKK1 / MAPKK2 - Purified

Alternate names:	MEK1, MEK2, MKK1, MKK2, PRKMK1, PRKMK2
Catalog No.:	AP05781PU-N
Quantity:	50 µg
Concentration:	1.0mg/ml
Background:	MEK1 and MEK2 play a critical role in the evolutionarily conserved MAP kinase signalling cascade controlling cell growth and differentiation. MEK 1 and MEK 2 are activated through the phosphorylation of serine residues Ser218 and Ser222 by Raf, which then act together to phosphorylate ERK (mitogen-activated protein kinase) on a threonine and tyrosine residue. The activated ERK then moves to the nucleus where it activates transcription factors involved in the regulation of gene expression.
Host / Isotype:	Rabbit / IgG
Immunogen:	Keyhole Limpet Haemocyanin conjugated synthetic peptide corresponding to amino acids 33-53 of human MEK 1.
Format:	State: Liquid purified IgG Buffer System: Phosphate buffered saline containing 0.09% Sodium Azide (NaN ₃) 2% Bovine Serum Albumin
Applications:	Western Blot: 0.5µg/ml; detects a band of approximately 45kDa in RAJI human Burkitt Lymphoma whole cell lysates under reducing conditions. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	AHP1584 specifically recognises MEK 1 and MEK 2, also known as MAPKK1 and MAPKK2 respectively, related dual specificity protein kinases and members of the STE serine/threonine protein kinase family. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	(A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.