

Product datasheet for **AP01450PU-N**

MAPK6 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1/500-1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 156-203 of Human ERK3
Specificity:	ERK3 antibody detects endogenous levels of ERK3 protein. (region surrounding Lys185)
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
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.
Predicted Protein Size:	~ 83, 105 kDa
Gene Name:	mitogen-activated protein kinase 6
Database Link:	Entrez Gene 5597 Human Q16659

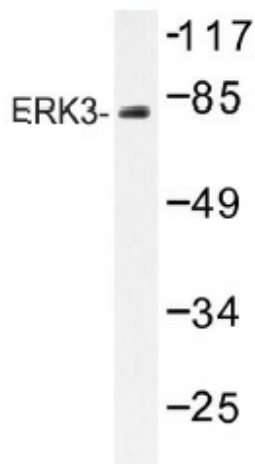


Background:

Mitogen-activated protein kinase (MAPK) signaling pathways involve closely related MAP kinases, including extracellular-signal-related kinase 3 (ERK 3, also designated PRKM6 and p97MAPK). Serum, growth factors and phorbol esters can initiate ERK 3 signaling pathways. Despite lacking a definitive nuclear localization sequence, ERK 3 constitutively localizes to the nucleus upon activation. p38 pathway activation-dependent upregulation of ERK 3 is independent of the status of p53, Bcl2 and caspase 3 during cell stress and damage induced by proteasome inhibition, suggesting ERK 3 in part mediates intracellular defense or cell rescue. The human ERK3 gene maps to chromosome 15q21 and encodes a 721 amino acid protein.

Synonyms:

Mitogen-activated protein kinase 6, MAP kinase isoform p97, p97-MAPK

Product images:

Western blot (WB) analysis of ERK3 antibody (Cat.-No.: AP01450PU-N) in extracts from HeLa cell