

MAPK3 Monoclonal Antibody

Catalog No.	A0025	Category	Monoclonal Antibodies
Applications	WB	Observed MW	45kDa
Cross-reactivity	Human, Mouse	Calculated MW	38kDa/40kDa/43kDa

Immunogen Information

Immunogen	A synthetic peptide of human MAPK3
Gene ID	5595
Swiss prot	P27361
Synonyms	ERK-1;ERK1;ERT2;HS44KDAP;HUMKER1A;p44-ERK1;p44-MAPK;P44ERK1;P44MAPK;PRKM3

Product information

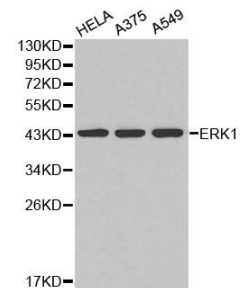
Source	Mouse
Isotype	IgG
Purification method	Affinity purification
Storage	Store at 4°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, pH7.3.

Background

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.

Recommended Dilutions

WB 1:500 - 1:1000



Western blot analysis of extracts of various cell lines, using MAPK3 antibody (A0025).

Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.