

## Product datasheet for **TA366797**

### ERK1 (MAPK3) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: A375, HeLa, 293T, LOVO, 231 cell lysates IHC: 50-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human MAPK3
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	43 kDa
Gene Name:	mitogen-activated protein kinase 3
Database Link:	<a href="#">Entrez Gene 5595 Human P27361</a>



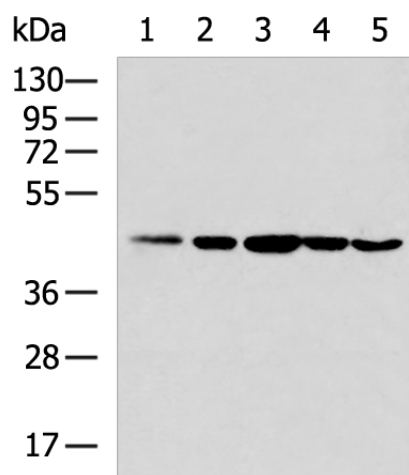
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**Background:**

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.

**Synonyms:**

ERK-1; ERK1; ERT2; HS44KDAP; HUMKER1A; MGC20180; OTTHUMP00000174538; p44-ERK1; p44-MAPK; P44ERK1; p44mapk; PRKM3

**Product images:**

Gel: 8%SDS-PAGE

Lysate: 40 µg

Lane 1-5: A375

Hela

293T

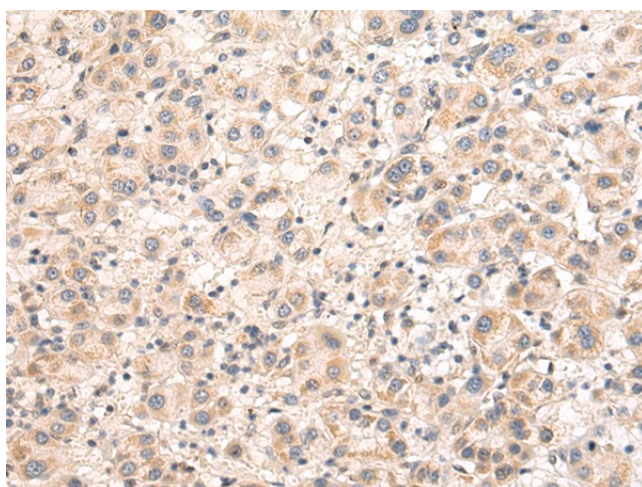
LOVO

231 cell lysates

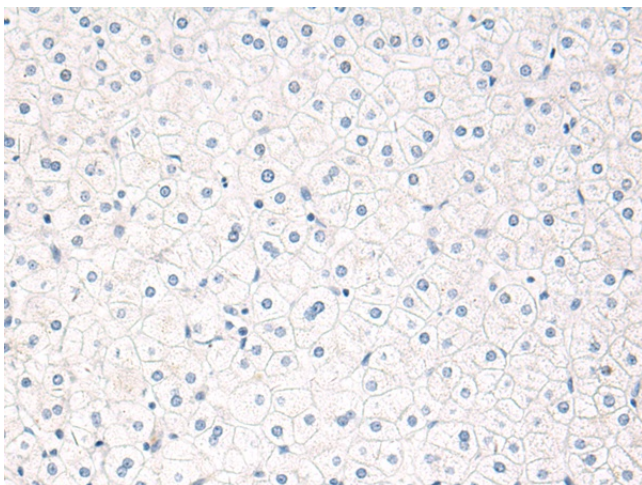
Primary antibody: TA366797 (MAPK3 Antibody) at dilution 1/900

Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution

Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA366797 (MAPK3 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA366797 (MAPK3 Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: ×200)