



Datasheet for ABIN969277

anti-ERK1 antibody



[Go to Product page](#)

7 Images

1 Publication

Overview

Quantity:	100 µL
Target:	ERK1 (MAPK3)
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ERK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human MAPK3 expressed in E. coli.
Clone:	1-00E-05
Isotype:	IgG1
Purification:	purified

Target Details

Target:	ERK1 (MAPK3)
Alternative Name:	MAPK3 (MAPK3 Products)
Background:	Description: 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

Target Details

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.

Aliases: ERK1, PRKM3, P44ERK1, P44MAPK, HS44KDAP, HUMKER1A, MGC20180

Molecular Weight: 44 kDa

Gene ID: 5595

HGNC: 5595

Pathways: [MAPK Signaling](#), [RTK Signaling](#), [Interferon-gamma Pathway](#), [Fc-epsilon Receptor Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Response to Growth Hormone Stimulus](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Hepatitis C](#), [Protein targeting to Nucleus](#), [Toll-Like Receptors Cascades](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [VEGFR1 Specific Signals](#), [S100 Proteins](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

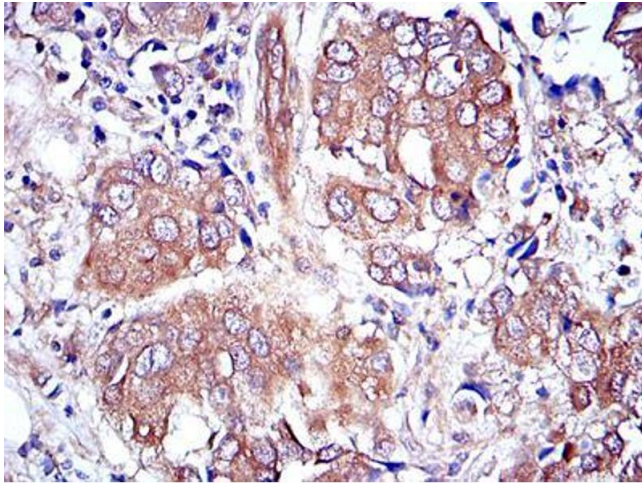
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

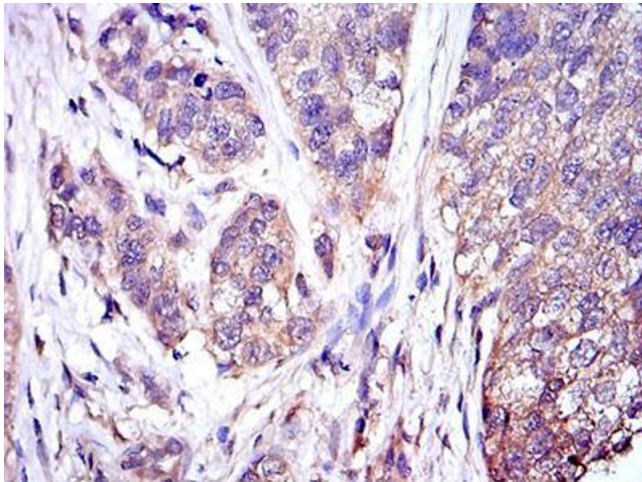
Product cited in: Jacques, Pereira, Maia, Cuzzi, Ramos-e-Silva: "Expression of cytokeratins 10, 13, 14 and 19 in oral lichen planus." in: **Journal of oral science**, Vol. 51, Issue 3, pp. 355-65, (2009) ([PubMed](#)).

Images



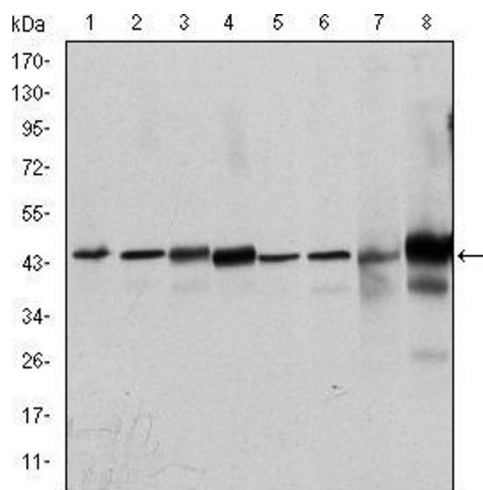
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded breast cancer tissues using MAPK3 mouse mAb with DAB staining.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using MAPK3 mouse mAb with DAB staining.



Western Blotting

Image 3. Western blot analysis using MAPK3 mouse mAb against HeLa (1), Jurkat (2), RAW264.7 (3), HEK293 (4), K562 (5), NIH/3T3 (6), Cos7 (7) and PC-12 (8) cell lysate.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN969277.