Datasheet for ABIN7299416

# anti-MAPK6 antibody (Center)

3 Images

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | MAPK6 |
| Binding Specificity: | Center |
| Reactivity: | Human, Mouse, Cow, Chicken, Monkey |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MAPK6 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC) |

## Product Details

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|---|---|
| Immunogen: | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ERK3. |
| Specificity: | Recognizes endogenous levels of ERK3 protein. |
| Characteristics: | Rabbit polyclonal antibody to ERK3 |
| Purification: | The antibody was purified by immunogen affinity chromatography. |

## Target Details

| | |
|---|---|
| Target: | MAPK6 |
| Alternative Name: | ERK3 (MAPK6 Products) |

## Target Details

| | |
|---|---|
| Background: | ERK3, PRKM6, Mitogen-activated protein kinase 6, MAP kinase 6, MAPK 6, Extracellular signal-regulated kinase 3, ERK-3, MAP kinase isoform p97, p97-MAPK |
| Gene ID: | 5597, 50772 |
| UniProt: | Q16659, Q61532 |
| Pathways: | MAPK Signaling, Neurotrophin Signaling Pathway, Regulation of Muscle Cell Differentiation, Hepatitis C |

## Application Details

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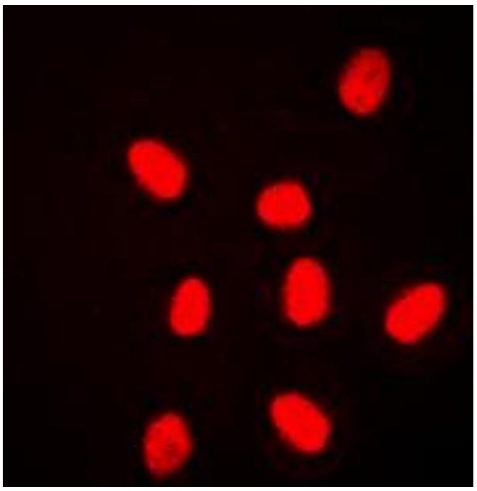
|---|---|
| Application Notes: | WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500) |
| Restrictions: | For Research Use only |

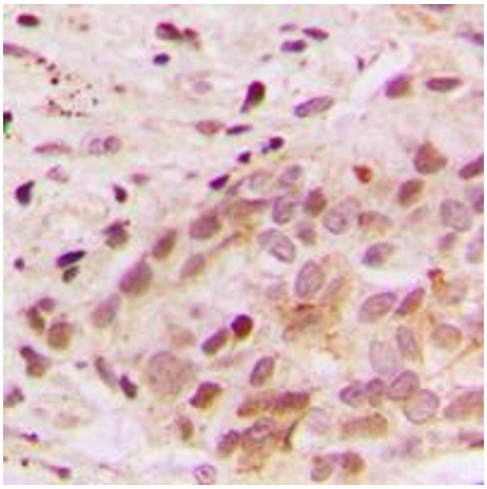
## Handling

| | |
|---|---|
| Format: | Liquid |
| Buffer: | Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % 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: | -20 °C |
| Storage Comment: | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. |
| Expiry Date: | 12 months |



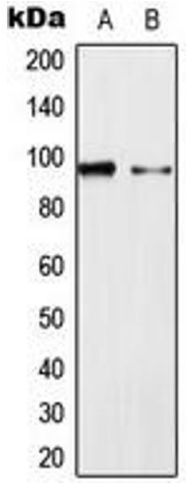
## Immunofluorescence

**Image 1.** Immunofluorescent analysis of ERK3 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



## Immunohistochemistry

**Image 2.** Immunohistochemical analysis of ERK3 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.




## Western Blotting

**Image 3.** Western blot analysis of ERK3 expression in HeLa (A), NIH3T3 (B) whole cell lysates.