Data Sheet (Cat.No.TMAC-02966)

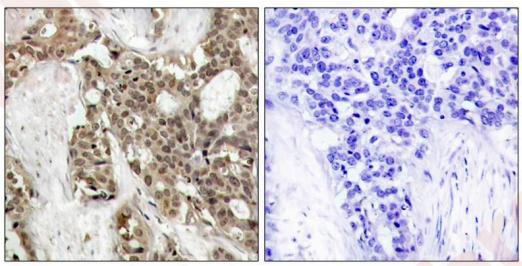
Anti-Phospho-MAPK3/ERK2 (Tyr204) Polyclonal Antibody

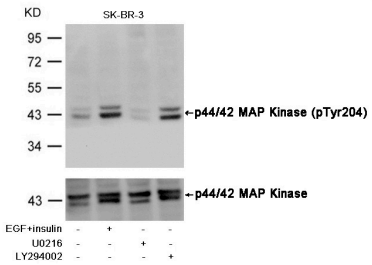
Product Details

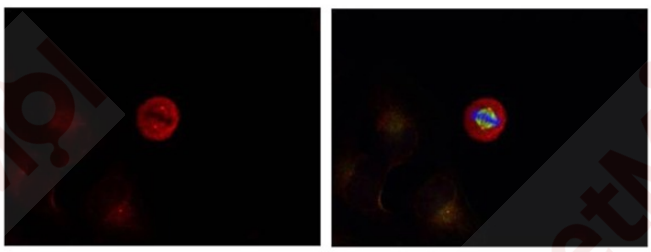
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

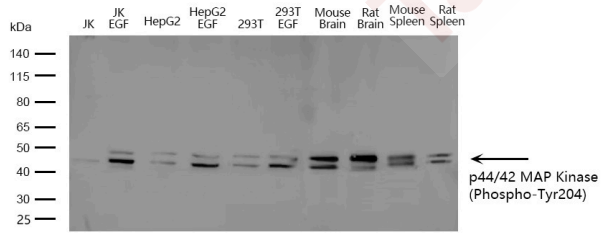
Applications

Verified Activity:	1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p44/42 MAP Kinase (Phospho-Tyr204) Antibody TMAC-02966 (left) or the same antibody preincubated with blocking peptide (right). 2. Western blot analysis of extracts from SK-BR-3 cells, treated with insulin and EGF, and pretreated with U0126 and LY294002 cells using p44/42 MAP Kinase (Phospho-Tyr204) Antibody TMAC-02966. 3. Immunofluorescence staining of methanol-fixed Hela cells showing centrosome and nuclear staining using p44/42 MAP Kinase (Phospho-Tyr204) Antibody TMAC-02966. 4. Western blot analysis of various lysates using p44/42 MAP Kinase (Phospho-Tyr204) Antibody at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (L3012) at 1:10000 dilution. Lysates/proteins: 25µg per lane.









Application: IF,IHC,WB

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Peptide sequence around phosphorylation site of tyrosine 204 (T-E-Y(p)-V-A) derived from Human p44/42 MAP Kinase

Antigen Species: Human

Synonyms: p-MAPK3/ERK2 (Y204);p-MAPK3/ERK2 (Tyr204);MAPK3/ERK2 (p-Tyr204);MAPK3/ERK2 (p-Y204)

Research Background

Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1

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