

Anti-Phospho-ERK1/2 (Thr202 , Tyr204) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse(predicted:Human)
Molecular Weight:	Theoretical: 41 kDa.
Purification:	Protein A purified

Applications

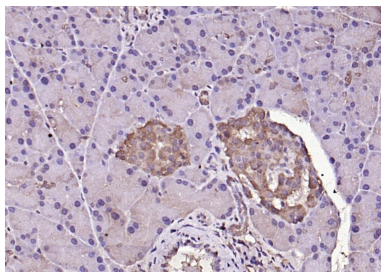
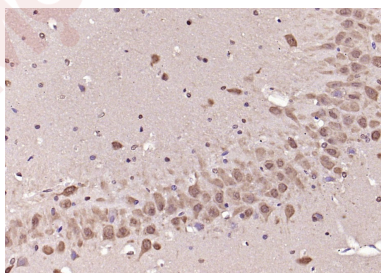
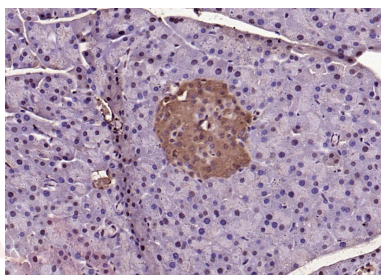
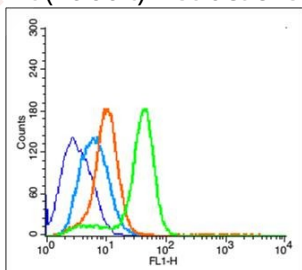
Verified Activity:

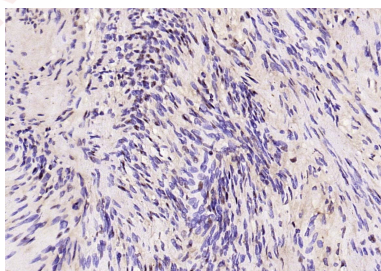
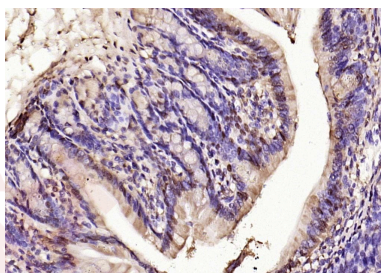
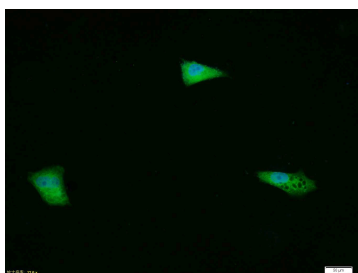
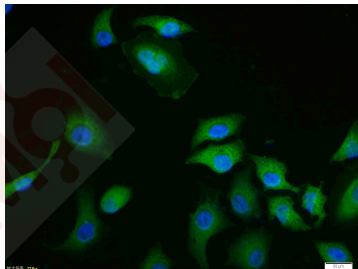
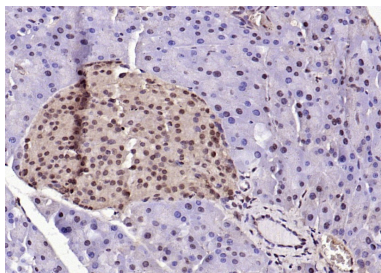
- Blank control (blue line): U251 (fixed with 2% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature).
Primary Antibody (green line): Rabbit Anti-phospho-ERK12 (Thr202 + Tyr204) antibody (TMAB-01409), Dilution: 3 µg/10⁶ cells;
Isotype Control Antibody (orange line): Rabbit IgG.
Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1 µg/test.
- Paraformaldehyde-fixed, paraffin embedded (mouse pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (phospho-ERK12 (Thr202 + Tyr204)) Polyclonal Antibody, Unconjugated (TMAB-01409) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (phospho-ERK12 (Thr202 + Tyr204)) Polyclonal Antibody, Unconjugated (TMAB-01409) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded (rat pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (phospho-ERK12 (Thr202 + Tyr204)) Polyclonal Antibody, Unconjugated (TMAB-01409) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded (mouse pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (phospho-ERK12 (Thr202 + Tyr204)) Polyclonal Antibody, Unconjugated (TMAB-01409) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
- Tissue/cell: Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (phospho-ERK1/2 (Thr202 + Tyr204)) polyclonal Antibody, Unconjugated (TMAB-01409) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.
- Tissue/cell: HUVEC cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (phospho-ERK1/2 (Thr202 + Tyr204)) polyclonal Antibody, Unconjugated (TMAB-01409) 1:100,

90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.

8. Paraformaldehyde-fixed, paraffin embedded (rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (phospho-ERK12 (Thr202 + Tyr204)) Polyclonal Antibody, Unconjugated (TMAB-01409) at 1:2000 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

9. Paraformaldehyde-fixed, paraffin embedded (human Glioblastoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (phospho-ERK12 (Thr202 + Tyr204)) Polyclonal Antibody, Unconjugated (TMAB-01409) at 1:2000 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.





Application: ICC/IF,FCM

Recommended ICC/IF=1:100-500,FCM=1:50-100

Properties

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

Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated Synthesised phosphopeptide: mouse p44/42 MAPK around the phosphorylation site of Thr202/Tyr204
Antigen Species:	Mouse
Synonyms:	Phospho-ERK1/2 (T202, Y204);PRKM3;P44ERK1;P44MAPK;ERK1/2 (p-T202, Y204);ERT2;p44-ERK1;ERK-2;p-ERK1/2 (T202, Y204);p44-MAPK;HUMKER1A;Erk2;ERK1;ERK1/2 (p-Thr202, Tyr204);p-ERK1/2 (Thr202, Tyr204);HS44KDAP;ERK-1
Biology Area:	Tangles & Tau,MAPK Pathway,Cytoplasmic

Research Background

The protein encoded by this gene is a member of the MAPkinase 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. [provided by RefSeq, Jul 2008].

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