A16686

Leader in Biomolecular Solutions for Life Science

www.abclonal.com

ERK1 / ERK2 Rabbit pAb

Catalog No.: A16686 **64 Publications**

Basic Information

Observed MW
42kDa/44kDa

Calculated MW
36kDa/41kDa/38kDa/40kDa/43kDa

Category
Polyclonal Antibody

Applications
WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity
Human,Mouse,Rat

Background

MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
5594/5595

Swiss Prot
P28482/P27361

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 200-300 of human ERK1 / ERK2 (NP_620407.1/NP_002737.2).

Synonyms
MAPK1/MAPK3; ERK1 / ERK2

Contact

www.abclonal.com

Product Information

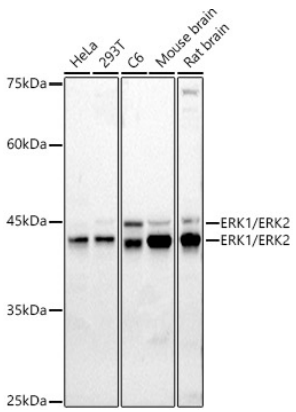
Source
Rabbit

Isotype
IgG

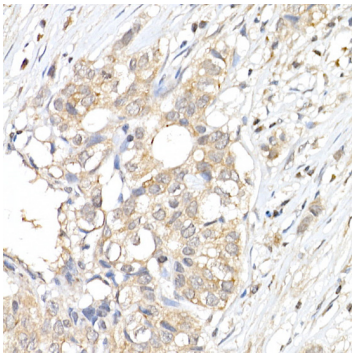
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

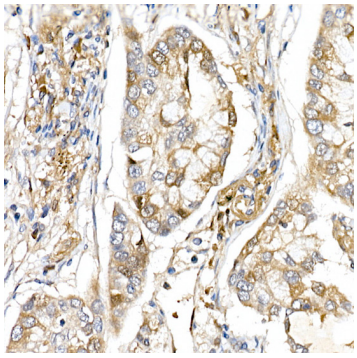
Validation Data



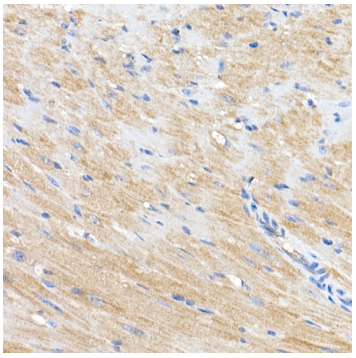
Western blot analysis of various lysates using ERK1 / ERK2 Rabbit pAb (A16686) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



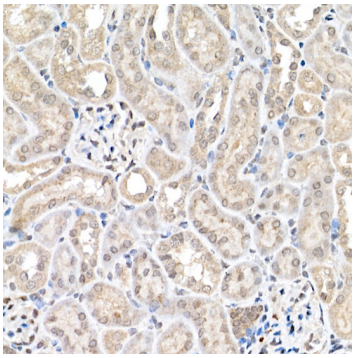
Immunohistochemistry analysis of ERK1 / ERK2 in paraffin-embedded human breast cancer using ERK1 / ERK2 Rabbit pAb (A16686) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



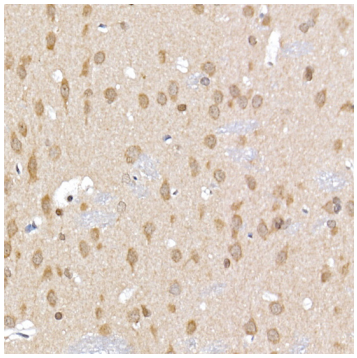
Immunohistochemistry analysis of ERK1 / ERK2 in paraffin-embedded human lung cancer using ERK1 / ERK2 Rabbit pAb (A16686) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



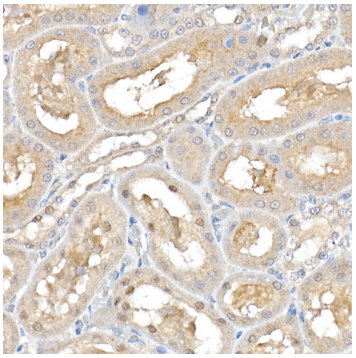
Immunohistochemistry analysis of ERK1 / ERK2 in paraffin-embedded mouse heart using ERK1 / ERK2 Rabbit pAb (A16686) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of ERK1 / ERK2 in paraffin-embedded mouse kidney using ERK1 / ERK2 Rabbit pAb (A16686) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

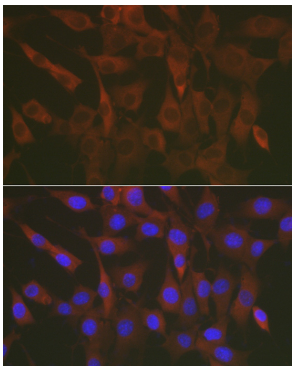


Immunohistochemistry analysis of ERK1 / ERK2 in paraffin-embedded rat brain using ERK1 / ERK2 Rabbit pAb (A16686) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of ERK1 / ERK2 in paraffin-embedded rat kidney using ERK1 / ERK2 Rabbit pAb (A16686) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Validation Data



Immunofluorescence analysis of NIH/3T3 cells using ERK1 / ERK2 Rabbit pAb (A16686) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.