

Anti-ERK2 Monoclonal Antibody

Catalog Number: M00030

Overview

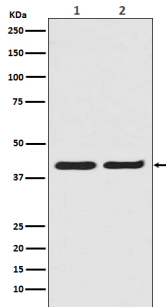
Product Name	Anti-ERK2 Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ERK2 Monoclonal Antibody catalog # M00030. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal II-13
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P28482

Technical Details

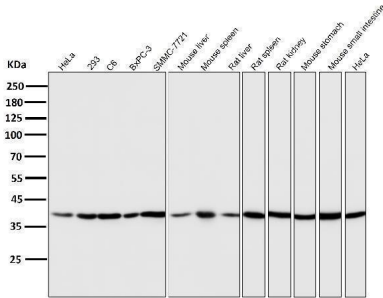
Immunogen	A synthesized peptide derived from human ERK2 Act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of ERK2 requires its phosphorylation by upstream kinases. ERK2 is located in the cytoplasm of resting cells and translocates into the nucleus upon extracellular stimuli by active transport of a dimer. ERK2 is essential for placental development and ERK2 in the trophoblast compartment may be indispensable for the vascularization of the labyrinth.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:40

FC 1:40

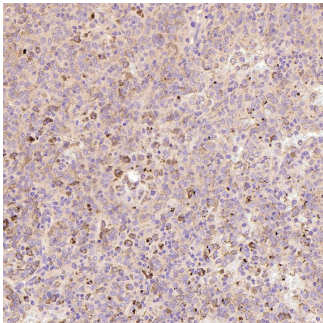
Anti-ERK2 Monoclonal Antibody (M00030) Images



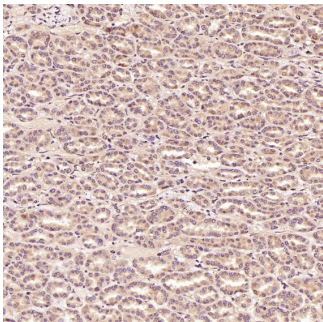
Western blot analysis of ERK2 in (1) A431 cell lysate; (2) HeLa cell lysate.



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.

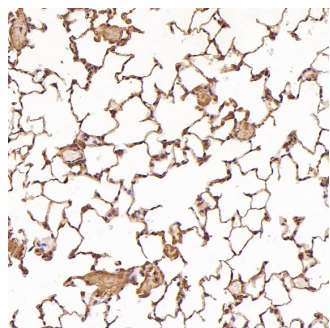


Immunohistochemical analysis of paraffin-embedded Human melanoma, using the Antibody at 1:100 dilution.

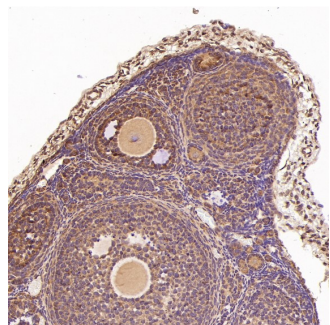


Immunohistochemical analysis of paraffin-embedded Human renal cancer, using the Antibody at 1:100 dilution.

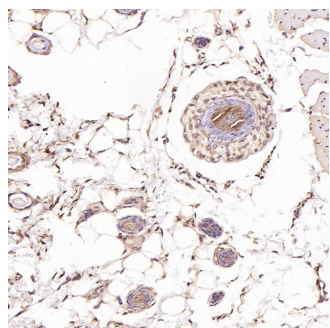
Immunohistochemical analysis of paraffin-embedded Rat lung, using the Antibody at 1:100 dilution.



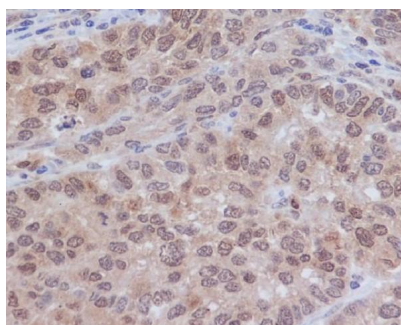
Immunohistochemical analysis of paraffin-embedded Mouse ovary, using the Antibody at 1:100 dilution.



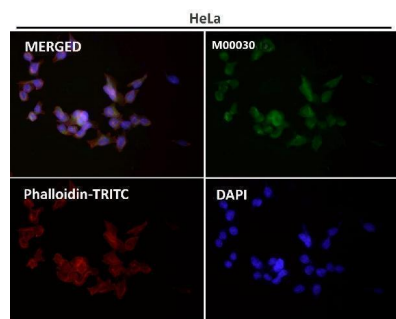
Immunohistochemical analysis of paraffin-embedded Rat skin, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded human gastric adenocarcinoma, using ERK2 Antibody.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



4 Publications Citing This Product

1. PubMed ID: 21769431, Sang J, Chen Y, Tao Y. Mol Med Rep. 2011 Nov-Dec;4(6):1163-7. Doi: 10.3892/Mmr.2011.535. Epub 2011 Jul 15. Nitric Oxide Inhibits Gastric Cancer Cell Growth Through The Modulation Of The Akt Pathway.
2. PubMed ID: 28193911, eIF3i activity is critical for endothelial cells in tumor induced angiogenesis through regulating VEGFR and ERK translation
3. PubMed ID: 26097571, Li Xi, Chen Xq, Zhang Mn, Chen N, Nie L, Xu M, Gong J, Shen Pf, Su Zz, Weng X, Tan Jy, Zhao T, Zeng H, Zhou Q. Int J Clin Exp Pathol. 2015 Apr 1;8(4):3871-81. Ecollection 2015. Sox9 Was Involved In Tkis Resistance In Renal Cell Carcinoma Via Raf/M...

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