

ERK1/2 Antibody

Catalog No: #29162

Package Size: #29162 100ul

Description

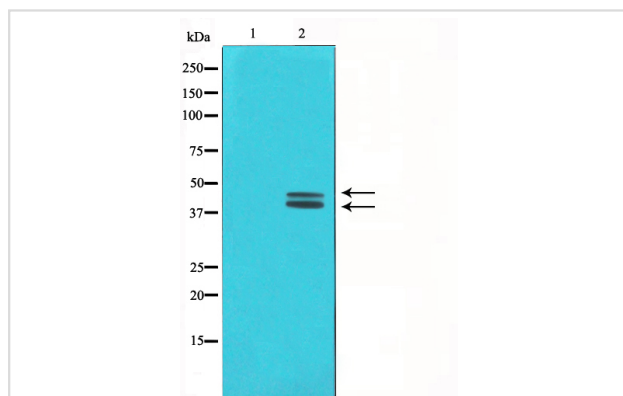
Product Name	ERK1/2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity-chromatography
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	ERK1/2 antibody detects endogenous levels of total ERK1/2
Immunogen Type	Peptide
Immunogen Description	A synthesized peptide derived from human ERK1/2
Conjugates	Unconjugated
Target Name	ERK1/2
Other Names	Extracellular signal-regulated kinase 1, ERK-1, Insulin-stimulated MAP2 kinase, MAP kinase 1, MAPK 1, p44-ERK1, ERT2, p44-MAPK, Microtubule-associated protein 2 kinase extracellular signal-regulated kinase 1, ERK-1, Insulin-stimulated MAP2 kinase, MAP kin
Accession No.	Swiss-Prot: P27361/P28482Gene ID:7531
SDS-PAGE MW	42,44KD
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

WB: 1:500~1:3000

IHC: 1:50~1:200

Images



Western blot analysis on COLO205 cell lysate using ERK1/2 Antibody

Background

ERK1 p42 MAP kinase plays a critical role in the regulation of cell growth and differentiation. Activated by a wide variety of extracellular signals including growth and neurotrophic factors, cytokines, hormones and neurotransmitters. ERK2 p44 MAP kinase plays a critical role in the regulation of cell growth and differentiation. Acts as an integration point for multiple biochemical signals, and is involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development.

Published Papers

Zhifeng Wei, Jian Yang, Yu-Feng Xia et al., Cardamonin Protects Septic Mice from Acute Lung Injury by Preventing Endothelial Barrier Dysfunction, J BIOCHEM MOLECULAR TOXICOLOGY, 26(7):282-290(2012)

[PMID:22696397](#)

et al., The synergic Inhibitory effects of dark tea (Camellia sinensis) extract and p38 Inhibition on the growth of pancreatic cancer cells. In J Cancer on 2019 Oct 21 by Zheng K, Zhao Q, et al.. PMID:31777585, , (2019)

[PMID:31777585](#)

et al., Inhibitory effects of eugenol on RANKL-induced osteoclast formation via attenuation of NF- κ B and MAPK pathways. In Connect Tissue Res on 2015 Jun by Vishwa Deepak, Abe Kasonga et al.. PMID:25405641, , (2015)

[PMID:25405641](#)

et al., Receptor tyrosine kinase C-kit promotes a destructive phenotype of FLS in osteoarthritis via intracellular EMT signaling. In Mol Med on 2023 Mar 23 by Xu Cao, Song Wu et al.. PMID:36959556, , (2023)

[PMID:36959556](#)

Dong Danfeng; Dong Xuyuan; Fan Yangwei; Hu Yuan; Jing Jiayu; Li Enxiao; Shi Yu; Wu Yinying; Zhang Pengchuang et al., Apatinib inhibits pancreatic cancer growth, migration and invasion through the PI3K/AKT and ERK1/2/MAPK pathways, , (2021)

[PMID:35116637](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.