Product Datasheet

ERK1/2 Antibody

Catalog No: #29162

Package Size: #29162-1 50ul #29162-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

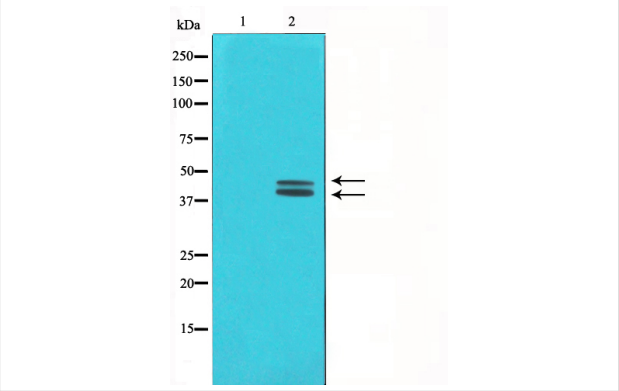
Product Name	ERK1/2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity-chromatography
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
Specificity	ERK1/2 antibody detects endogenous levels of total ERK1/2
Immunogen Type	Peptide
Immunogen Description	A synthesized peptide derived 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/P28482
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 el at., Cardamonin Protects Septic Mice from Acute Lung Injury by Preventing Endothelial Barrier Dysfunction, J BIOCHEM MOLECULAR TOXICOLOGY, 26(7):282-290(2012)

PMID:22696397

el at., 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

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

PMID:25405641

el at., Receptor tyrosine kinase C-kit promotes a destructive phenotype of FLS in osteoarthritis via intracellular EMT signalingInMol MedOn2023 Mar 23byXu Cao?1?2,?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 el at., 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.