Datasheet for ABIN1310256

ERK2 Protein (AA 1-360) (GST tag)

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Overview

Quantity:	10 µg
Target:	ERK2 (MAPK1)
Protein Characteristics:	AA 1-360
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERK2 protein is labelled with GST tag.
Application:	Western Blotting (WB), ELISA, Affinity Purification (AP), Antibody Array (AA)

Product Details

Purpose:	MAPK1 (Human) Recombinant Protein (P01)
Sequence:	MAAAAAAGAG PEMVRGQVFD VGPRYTNLSY IGEGAYGMVC SAYDNVNKVR VAIKKISPFE HQTYCQRTLR EIKILLRFRH ENIIGINDII RAPTIEQMKD VYIVQDLMET DLYKLLKTQH LSNDHICYFL YQILRGLKYI HSANVLHRDL KPSNLLLNTT CDLKICDFGL ARVADPDHDH TGFLTEYVAT RWYRAPEIML NSKGYTKSID IWSVGCILAE MLSNRPIFPG KHYLDQLNHI LGILGSPSQE DLNCIINLKA RNYLLSLPHK NKVPWNRLFP NADSKALDLL DKMLTFNPHK RIEVEQALAH PYLEQYYDPS DEPIAEAPFK FDMELDDLPK EKLKELIFEE TARFQPGYRS
Characteristics:	Human MAPK1 full-length ORF (NP_620407.1, 1 a.a. - 360 a.a.) recombinant protein with GST-tag at N-terminal.
Purification:	in vitro wheat germ expression system

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Target Details

Target:	ERK2 (MAPK1)
Alternative Name:	MAPK1 (MAPK1 Products)
Background:	Full Gene Name: mitogen-activated protein kinase 1 Synonyms: ERK,ERK2,ERT1,MAPK2,P42MAPK,PRKM1,PRKM2,p38,p40,p41,p41mapk
Gene ID:	5594
NCBI Accession:	NM_138957
Pathways:	MAPK Signaling, RTK Signaling, Apoptosis, Interferon-gamma Pathway, Fc-epsilon Receptor Signaling Pathway, Response to Growth Hormone Stimulus, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Hepatitis C, Protein targeting to Nucleus, Toll-Like Receptors Cascades, Monocarboxylic Acid Catabolic Process, Autophagy, G-protein mediated Events, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth Factor Receptor, VEGFR1 Specific Signals, BCR Signaling, S100 Proteins

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Preparation method: in vitro, wheat germ expression system Product Quality tested by: 12.5% SDS-PAGE Stained with Coomassie Blue.
Restrictions:	For Research Use only

Handling

Buffer:	50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-80 °C
Storage Comment:	Best use within three months from the date of receipt of this protein.

Publications

Product cited in:	Abeydeera, Egli, Cox, Mercier, Conde, Pallan, Mizurini, Sierant, Hibti, Hassell, Wang, Liu, Liu, Martinez, Sood, Lybrand, Frydman, Monteiro, Gomer, Nawrot, Yang: "Evoking picomolar binding in RNA by a single phosphorodithioate linkage." in: **Nucleic acids research**, Vol. 44, Issue 17, pp. 8052-64, (2016) (PubMed).

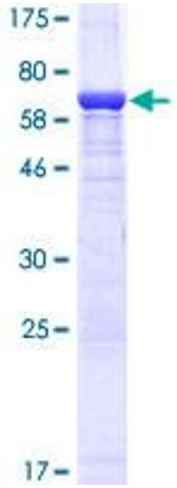

Image 1.

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