



Rabbit Anti-Human MAPK1 / ERK2 (aa310-360) polyclonal antibody (CABT-L554)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Region between residue 310 and 360 of human extracellular signal-regulated kinase-2 (mitogen-activated protein kinase 1) using the numbering given in entry NP_002736.3 (GeneID 5594)
Target	MAPK1
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Chicken, Human, Mouse, Rat, Bovine, Dog, Horse, Rabbit
Purification	Affinity purified.
Conjugate	Unconjugated
Applications	IHC-P, IF, WB, Proximity Ligation Assay
Format	Liquid
Size	50 µl
Buffer	Tris-citrate/phosphate buffer, pH 7-8
Preservative	0.09% Sodium Azide
Storage	Store at 2-8°C for up to 1 year.

BACKGROUND

Introduction

The protein encoded by this gene is a member of the MAP kinase family. 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. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene.

Keywords

MAPK1; mitogen-activated protein kinase 1; ERK; p38; p40; p41; ERK2; ERT1; ERK-2; MAPK2; PRKM1; PRKM2; P42MAPK; p41mapk; p42-MAPK

GENE INFORMATION

Entrez Gene ID

[5594](#)

UniProt ID

[P28482](#)
