

Datasheet for ABIN7265074

anti-MAP2K6 antibody (pSer189, pSer207)[Go to Product page](#)**2** Images

Overview

Quantity:	200 µL
Target:	MAP2K6
Binding Specificity:	pSer189, pSer207
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic phosphorylated peptide around S207 of human MAP2K6 (NP_002749.2).
Isotype:	IgG
Characteristics:	Phosphorylated antibody
Purification:	Affinity purification

Target Details

Target:	MAP2K6
Alternative Name:	MAP2K6 (MAP2K6 Products)
Background:	This gene encodes a member of the dual specificity protein kinase family, which functions as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular

Target Details

signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein phosphorylates and activates p38 MAP kinase in response to inflammatory cytokines or environmental stress. As an essential component of p38 MAP kinase mediated signal transduction pathway, this gene is involved in many cellular processes such as stress induced cell cycle arrest, transcription activation and apoptosis. /The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersina pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene.

Molecular Weight:	Observed_MW: 39 kDa Calculated_MW: 36 kDa/39 kDa/31 kDa/37 kDa
Gene ID:	5606, 5608
UniProt:	P46734 , P52564
Pathways:	MAPK Signaling , TLR Signaling , Activation of Innate immune Response , Regulation of Muscle Cell Differentiation , Toll-Like Receptors Cascades

Application Details

Application Notes:	WB 1:500-1:2000 IF 1:50-1:200
Restrictions:	For Research Use only

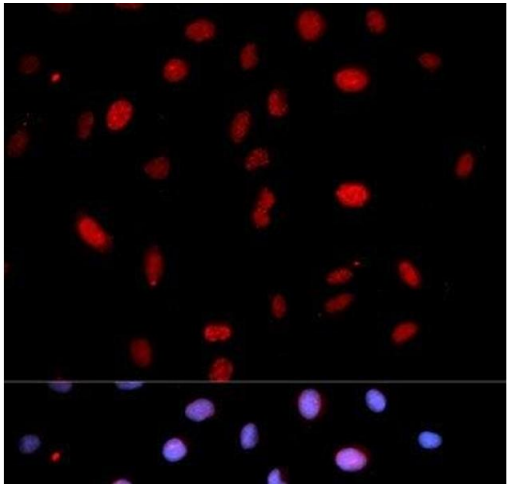
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

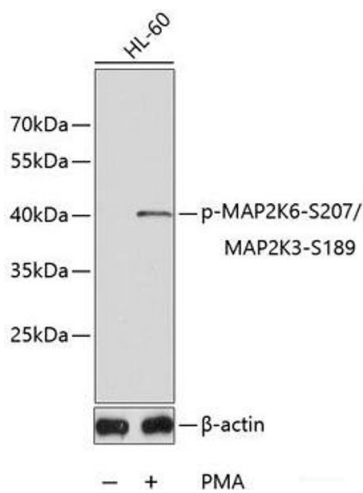
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using Phospho-MAP2K6(S207)/MAP2K3(S189) Polyclonal Antibody



Western Blotting

Image 2. Western blot analysis of extracts of HL60 cell lines using Phospho-MAP2K6(S207)/MAP2K3(S189) Polyclonal Antibody.