Datasheet for ABIN1387757

anti-MAPK12 antibody (pThr183, pTyr185)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	MAPK12
Binding Specificity:	pThr183, pTyr185
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human SAPK3 around the phosphorylation site of Thr183+Tyr185 [EM(p-T)G(p-Y)VV]
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Pig,Chicken,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	MAPK12

Target Details

Alternative Name:	SAPK3+ (MAPK12 Products)
Background:	Synonyms: p-SAPK3Thr183+Tyr185, MAP kinase 12, MAP kinase p38 gamma, MAPK 12, Mapk12, Mitogen Activated Protein Kinase 12, ERK6, ERK 6, ERK-6, Extracellular signal-regulated kinase 6, Mitogen activated protein kinase 3, Mitogen activated protein kinase p38 gamma, Mitogen-activated protein kinase 12, Mitogen-activated protein kinase p38 gamma, MK12_HUMAN, P38 GAMMA, P38GAMMA, PRKM12, SAPK 3, SAPK3, Stress Activated Protein Kinase 3, Stress-activated protein kinase 3. Background: MAP (mitogen-activated protein) kinases play a significant role in many biological processes, including cell adhesion and spreading, cell differentiation and apoptosis. p38 alpha, p38 beta and p38 gamma, also known as MAPK14, MAPK11 and MAPK12, respectively, each contain one protein kinase domain and belong to the MAP kinase family. Expressed in different areas throughout the body with common expression patterns in heart, p38 proteins use magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of target proteins. Via their catalytic activity, p38 alpha, p38 beta and p38 gamma are involved in a variety of events throughout the cell, including signal transduction pathways, cytokine production and cell proliferation and differentiation. The p38 proteins are subject to phosphoryation on Thr and Tyr residues, an event which is thought to activate the phosphorylated protein.
Pathways:	MAPK Signaling, Neurotrophin Signaling Pathway, Regulation of Muscle Cell Differentiation, Hepatitis C, BCR Signaling, S100 Proteins

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

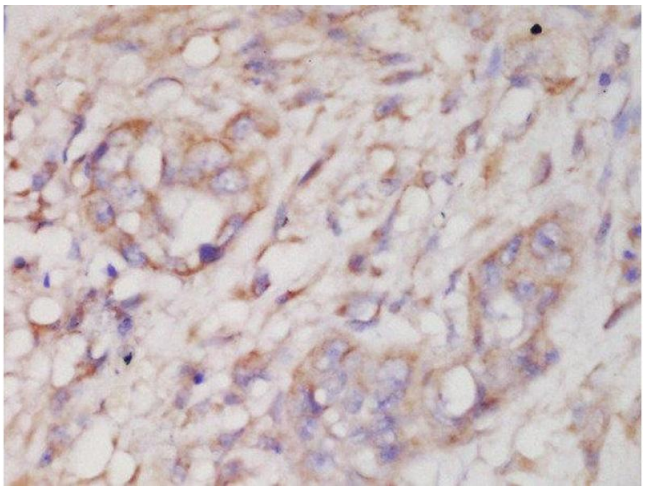
Handling

Format:	Liquid

Handling

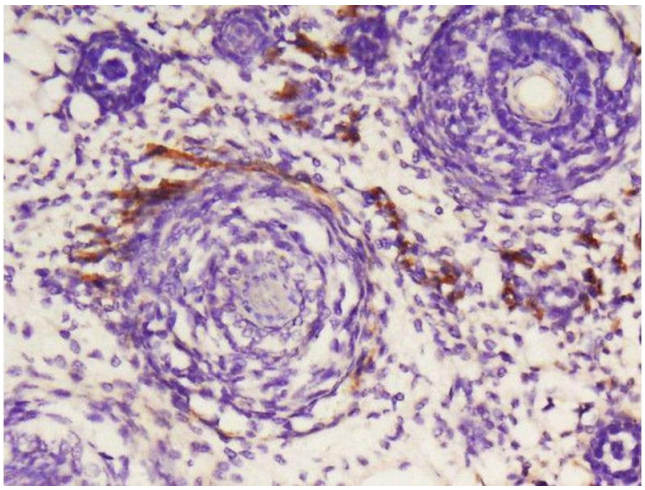
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-SAPK3 (Thr183+Tyr185) Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded mouse embryo labeled with Anti-phospho-SAPK3 (Thr183+Tyr185)Polyclonal Antibody, Unconjugated at 1:200, followed by conjugation to the secondary antibody and DAB staining