Datasheet for ABIN7159988

anti-MAPK13 antibody (AA 1-365)

4 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	MAPK13
Binding Specificity:	AA 1-365
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK13 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Mitogen-activated protein kinase 13 protein (1-365AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	MAPK13
Alternative Name:	MAPK13 (MAPK13 Products)
Background:	Background: Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK13 is one of the four p38 MAPKs which play an important

Target Details

	role in the cascades of cellular responses evoked by extracellular stimuli such as proinflammatory cytokines or physical stress leading to direct activation of transcription factors such as ELK1 and ATF2. Accordingly, p38 MAPKs phosphorylate a broad range of proteins and it has been estimated that they may have approximately 200 to 300 substrates each. MAPK13 is one of the less studied p38 MAPK isoforms. Some of the targets are downstream kinases such as MAPKAPK2, which are activated through phosphorylation and further phosphorylate additional targets. Plays a role in the regulation of protein translation by phosphorylating and inactivating EEF2K. Involved in cytoskeletal remodeling through phosphorylation of MAPT and STMN1. Mediates UV irradiation induced up-regulation of the gene expression of CXCL14. Plays an important role in the regulation of epidermal keratinocyte differentiation, apoptosis and skin tumor development. Phosphorylates the transcriptional activator MYB in response to stress which leads to rapid MYB degradation via a proteasome-dependent pathway. MAPK13 also phosphorylates and down-regulates PRKD1 during regulation of insulin secretion in pancreatic beta cells. Aliases: MAP kinase 13 antibody, MAP kinase p38 delta antibody, MAPK 13 antibody, MAPK-13 antibody, Mapk13 antibody, MGC99536 antibody, Mitogen activated protein kinase 13 antibody, Mitogen-activated protein kinase 13 antibody, Mitogen-activated protein kinase p38 delta antibody, MK13_HUMAN antibody, OTTHUMP00000016282 antibody, OTTHUMP00000016283 antibody, p38 delta antibody, P38delta antibody, PRKM13 antibody, SAPK 4 antibody, SAPK4 antibody, Stress activated protein kinase 4 antibody, Stress-activated protein kinase 4 antibody
UniProt:	O15264
Pathways:	MAPK Signaling, Neurotrophin Signaling Pathway, Hepatitis C, BCR Signaling, S100 Proteins

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

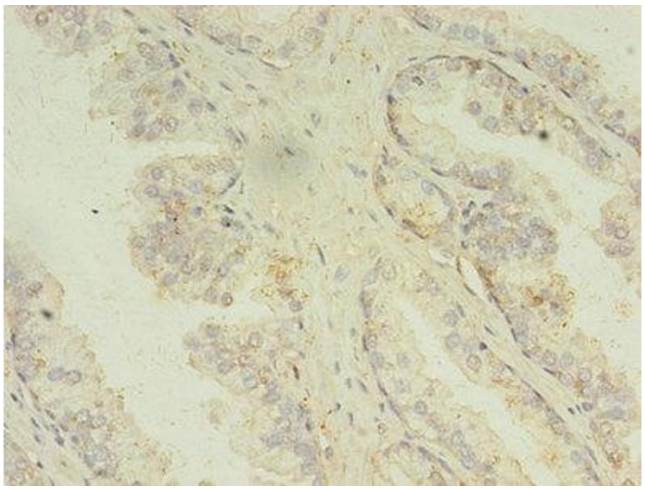
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

Handling

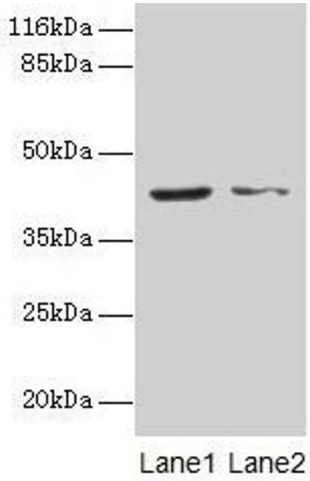
	handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



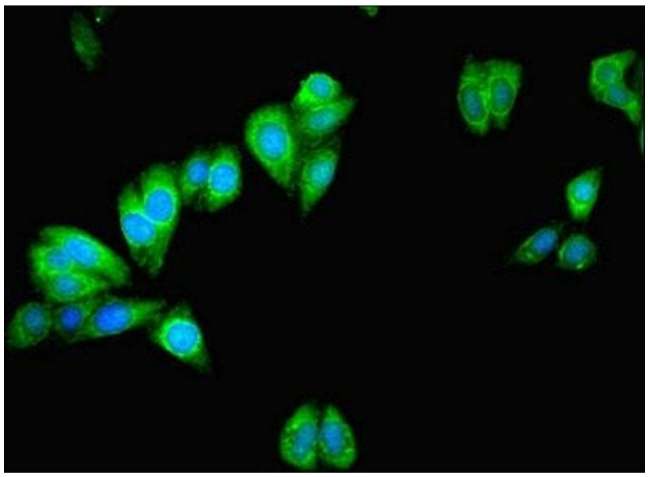
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human prostate cancer using ABIN7159988 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: MAPK13 antibody at 2 µg/mL Lane 1: Hela whole cell lysate Lane 2: A549 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 43, 29 kDa Observed band size: 43 kDa



Immunofluorescence

Image 3. Immunofluorescent analysis of HepG2 cells using ABIN7159988 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Images

Please check the product details page for more images. Overall 4 images are available for ABIN7159988.