Datasheet for ABIN359418

anti-MAPK11 antibody (Middle Region)

2 Images

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Overview

Quantity:	0.4 mL
Target:	MAPK11
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK11 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the center region of human MAPK11.
Isotype:	Ig Fraction
Specificity:	This antibody detects MAPK11 at center.
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Target Details

Target:	MAPK11
Alternative Name:	MAP Kinase p38 beta / MAPK11 (MAPK11 Products)

Target Details

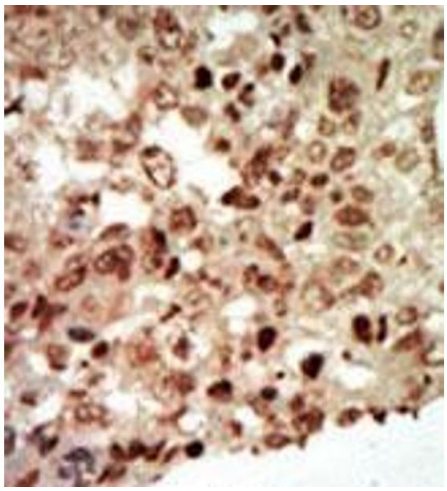
Background:	MAPK11 is a Ser/Thr kinase involved in a signal transduction pathway that is activated by changes in the osmolarity of the extracellular environment, by cytokines, or by environmental stress. It preferentially phosphorylates transcription factor ATF2. This protein is activated by phosphorylation on threonine and tyrosine by MKK6, and is inhibited by pyridinyl-imidazole related compounds. Highest expression levels are in the brain and heart, with additional expression in the placenta, lung, liver, skeletal muscle, kidney and pancreas.Synonyms: Mitogen-activated protein kinase 11, PRKM11, SAPK2, Stress-activated protein kinase 2, p38-2
Molecular Weight:	42132 Da
Gene ID:	5600, 5874
UniProt:	Q15759
Pathways:	MAPK Signaling, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Response to Water Deprivation, Regulation of Muscle Cell Differentiation, ER-Nucleus Signaling, Hepatitis C, Toll-Like Receptors Cascades, Signaling Events mediated by VEGFR1 and VEGFR2, Thromboxane A2 Receptor Signaling, BCR Signaling, S100 Proteins

Application Details

Application Notes:	ELISA 1: 1,000Western blot 1: 100 - 1: 500. Immunohistochemistry 1: 50 - 1: 100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

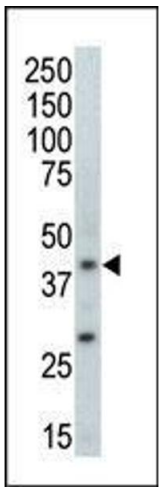
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
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 Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue (breast carcinoma) reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of anti-MAPK11 Pab in mouse brain tissue lysate. MAPK11 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.