

Datasheet for ABIN1881526

anti-MEK2 antibody (AA 200-229)**4** Images**5** Publications[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	MEK2 (MAP2K2)
Binding Specificity:	AA 200-229
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MAP2K2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 200-229 amino acids from human MAP2K2.
Clone:	RB12322
Isotype:	Ig Fraction
Predicted Reactivity:	D, Ha, M, Rb, Rat, X, C
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MEK2 (MAP2K2)
Alternative Name:	MAP2K2 (MAP2K2 Products)

Target Details

Background:	MAP2K2 is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. The inhibition or degradation of this kinase is found to be involved in the pathogenesis of Yersinia and anthrax.
Molecular Weight:	44424
NCBI Accession:	NP_109587
UniProt:	P36507
Pathways:	MAPK Signaling , RTK Signaling , Fc-epsilon Receptor Signaling Pathway , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Toll-Like Receptors Cascades , Signaling of Hepatocyte Growth Factor Receptor , BCR Signaling

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in 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.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Burroughs, Oh, Barrett, DiAugustine et al.: "Phosphatidylinositol 3-kinase and mek1/2 are necessary for insulin-like growth factor-I-induced vascular endothelial growth factor synthesis in prostate epithelial cells: a role for hypoxia-inducible ..." in: Molecular cancer research : MCR , Vol. 1, Issue 4, pp. 312-22, (2003) (PubMed).
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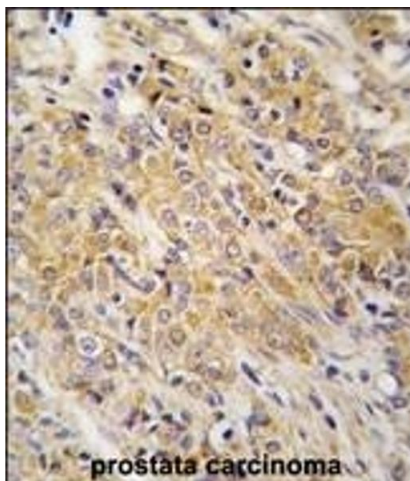
Tran, Maurer, Nagamine: "Stabilization of urokinase and urokinase receptor mRNAs by HuR is linked to its cytoplasmic accumulation induced by activated mitogen-activated protein kinase-activated protein kinase 2." in: **Molecular and cellular biology**, Vol. 23, Issue 20, pp. 7177-88, (2003) ([PubMed](#)).

Li, Junttila, Han, Kähäri, Westermarck: "p38 Mitogen-activated protein kinase pathway suppresses cell survival by inducing dephosphorylation of mitogen-activated protein/extracellular signal-regulated kinase kinase1,2." in: **Cancer research**, Vol. 63, Issue 13, pp. 3473-7, (2003) ([PubMed](#)).

Li, Inoki, Vacratis, Guan: "The p38 and MK2 kinase cascade phosphorylates tuberlin, the tuberous sclerosis 2 gene product, and enhances its interaction with 14-3-3." in: **The Journal of biological chemistry**, Vol. 278, Issue 16, pp. 13663-71, (2003) ([PubMed](#)).

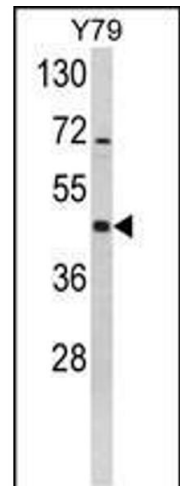
Liu, Jana, Dasgupta, Koka, He, Wood, Pahan: "Human immunodeficiency virus type 1 (HIV-1) tat induces nitric-oxide synthase in human astroglia." in: **The Journal of biological chemistry**, Vol. 277, Issue 42, pp. 39312-9, (2002) ([PubMed](#)).

Images



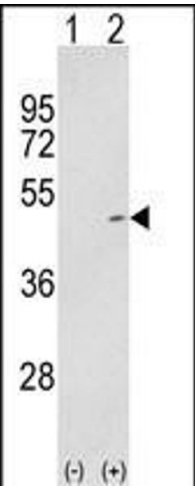
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Forlin-fixed and paraffin-embedded hun prostata carcino tissue reacted with P2K2 Antibody (ABIN1881526 and ABIN2842063) , which was peroxidase-conjugated to the secondary antibody, followed by DAB 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 P2K2- (ABIN1881526 and ABIN2842063) in Y79 cell line lysates (35 µg/lane). P2K2 (arrow) was detected using the purified Pab.



Western Blotting

Image 3. Western blot analysis of P2K2 (arrow) using rabbit polyclonal P2K2- (ABIN1881526 and ABIN2842063). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the P2K2 gene (Lane 2).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1881526.