# antibodies - online.com







## anti-MEK2 antibody (AA 200-229)

**Images** 



**Publications** 



_					
U	V	er	VI	е	W

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		
J	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).

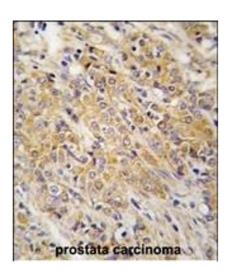
Tran, Maurer, Nagamine: "Stabilization of urokinase and urokinase receptor mRNAs by HuR is linked to its cytoplasmic accumulation induced by activated mitogen-activated protein kinase-activated protein kinase 2." in: **Molecular and cellular biology**, Vol. 23, Issue 20, pp. 7177-88, (2003) (PubMed).

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, Vacratsis, Guan: "The p38 and MK2 kinase cascade phosphorylates tuberin, 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).

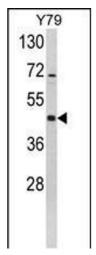
Liu, Jana, Dasgupta, Koka, He, Wood, Pahan: "Human immunodeficiency virus type 1 (HIV-1) tat induces nitric-oxide synthase in human astroglia." in: **The Journal of biological chemistry**, Vol. 277, Issue 42, pp. 39312-9, (2002) (PubMed).

#### **Images**



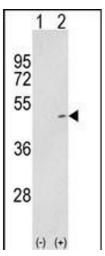
#### **Immunohistochemistry (Paraffin-embedded Sections)**

**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 ( $35 \,\mu g$ /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  $\mu$ g/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.