

Datasheet for ABIN6243040
anti-ASK1 antibody (AA 821-849)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	ASK1 (MAP3K5)
Binding Specificity:	AA 821-849
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MAP3K5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 821-849 amino acids from human MAP3K5.
Clone:	RB12839
Isotype:	Ig Fraction
Predicted Reactivity:	M, E
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ASK1 (MAP3K5)
Alternative Name:	MAP3K5 (MAP3K5 Products)

Target Details

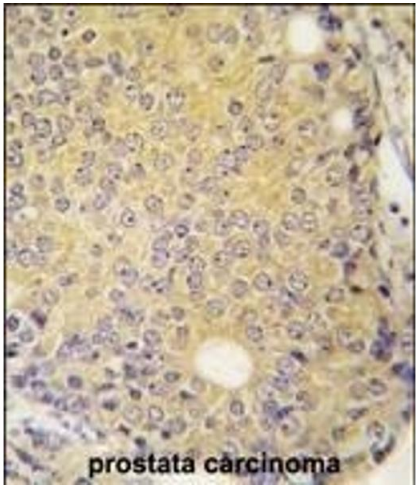
Background:	Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells, MAPKKK5 does not activate MAPK/ERK.
Molecular Weight:	154537
NCBI Accession:	NP_005914
UniProt:	Q99683
Pathways:	MAPK Signaling , Positive Regulation of Endopeptidase Activity , Unfolded Protein Response

Application Details

Application Notes:	WB: 1:2000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

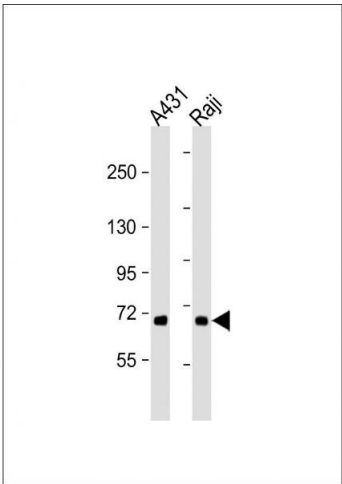
Handling

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



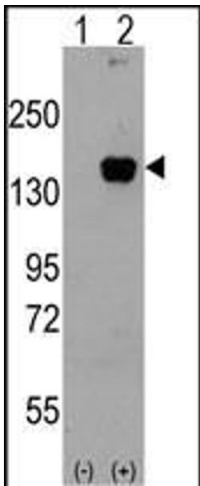
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Forlin-fixed and paraffin-embedded hun prostata carcino tissue reacted with P3K5 ANTibody g , 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. All lanes : Anti-P3K5 Antibody at 1:2000 dilution
Lane 1: A431 whole cell lysate Lane 2: Raji whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 155 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. Western blot analysis of P3K5 (arrow) using rabbit polyclonal P3K5 Antibody g. 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the P3K5 gene (Lane 2) (Origene Technologies).