Datasheet for ABIN3016190

anti-TNK2 antibody (AA 70-385)

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Overview

Quantity:	100 µL
Target:	TNK2
Binding Specificity:	AA 70-385
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNK2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 70-385 of human TNK2 (NP_001010938.1).
Sequence:	TGWLLELLSE VQLQQYFLRL RDDLNVTRLS HFEYVKNEDL EKIGMGRPGQ RRLWEAVKRR KALCKRKSWM SKVFSGKRLE AEFPPHHSQS TFRKTSPAPG GPAGEGPLQS LTCLIGEKDL RLLEKLGDGS FGVVRRGEWD APSGKTVSVA VKCLKPDVLS QPEAMDDFIR EVNAMHSLDH RNLIRLYGVV LTPPMKMVTE LAPLGSLLDR LRKHQGHFLL GTLSRYAVQV AEGMGYLESK RFIHRDLAAR NLLLATRDLV KIGDFGLMRA LPQNDDHYVM QEHRKVPFAW CAPESLKTRT FSHASDTWMF GVTLWE
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Target Details

Target:	TNK2
Alternative Name:	TNK2 (TNK2 Products)
Background:	This gene encodes a tyrosine kinase that binds Cdc42Hs in its GTP-bound form and inhibits both the intrinsic and GTPase-activating protein (GAP)-stimulated GTPase activity of Cdc42Hs. This binding is mediated by a unique sequence of 47 amino acids C-terminal to an SH3 domain. The protein may be involved in a regulatory mechanism that sustains the GTP-bound active form of Cdc42Hs and which is directly linked to a tyrosine phosphorylation signal transduction pathway. Several alternatively spliced transcript variants have been identified from this gene, but the full-length nature of only two transcript variants has been determined.,TNK2,ACK,ACK-1,ACK1,p21cdc42Hs,Epigenetics & Nuclear Signaling,Nuclear Receptor Signaling,Cancer,Signal Transduction,G protein signaling,Signal Transduction,Kinase,Tyrosine kinases,Cell Biology & Developmental Biology,Cell Cycle,Growth factor,EGF,TNK2
Molecular Weight:	60 kDa/114 kDa/119 kDa
Gene ID:	10188
UniProt:	Q07912

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

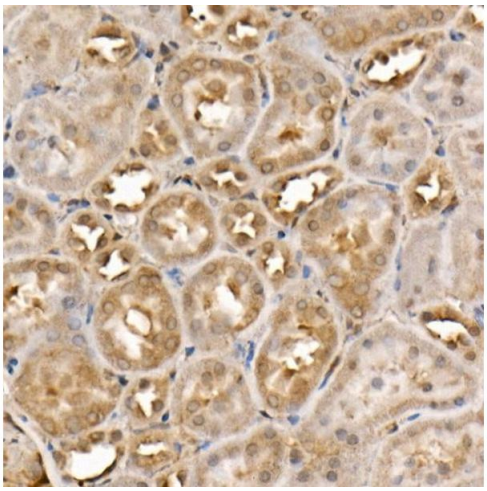
Publications

Product cited in:	Hu, Xu, Yin, Zhang, Lu, Wu, Xue, Ho, Gao, Zhao, Zhang: "Ack promotes tissue growth via phosphorylation and suppression of the Hippo pathway component Expanded." in: **Cell**

Publications

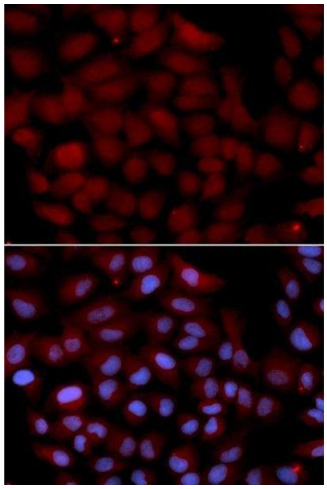
discovery, Vol. 2, pp. 15047, (2016) (PubMed).

Images



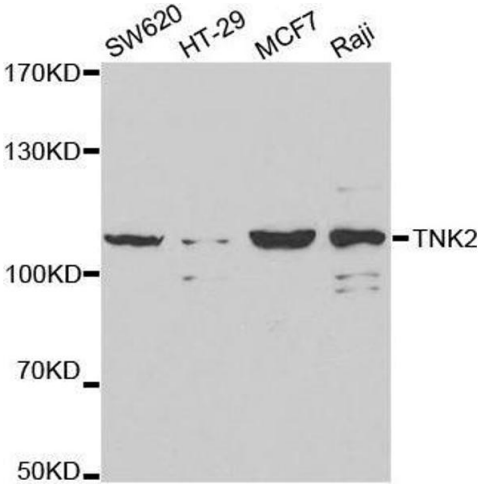
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat kidney using TNK2 Rabbit pAb (ABIN3016189, ABIN3016190, ABIN3016191, ABIN1683072 and ABIN6219613) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cell using TNK2 antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using TNK2 antibody.

Please check the product details page for more images. Overall 6 images are available for ABIN3016190.