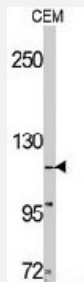


TNK2 polyclonal antibody

Catalog # PAB3416

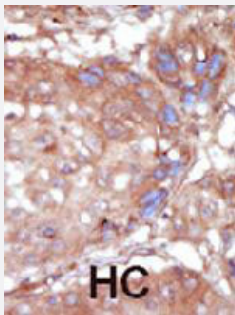
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of TNK2 polyclonal antibody (Cat # PAB3416) in CEM cell line lysates (35 ug/lane). TNK2 (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with TNK2 polyclonal antibody (Cat # PAB3416), 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. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TNK2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human TNK2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — TNK2

Entrez GeneID	10188
Protein Accession#	Q07912
Gene Name	TNK2
Gene Alias	ACK, ACK1, FLJ44758, FLJ45547, p21cdc42Hs
Gene Description	tyrosine kinase, non-receptor, 2
Omim ID	606994
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]

Other Designations

activated Cdc42-associated kinase 1|activated p21cdc42Hs kinase

Publication Reference

- [Biochemical properties of the Cdc42-associated tyrosine kinase ACK1. Substrate specificity, authphosphorylation, and interaction with Hck.](#)

Yokoyama N, Miller WT.

The Journal of Biological Chemistry 2003 Sep; 278(48):47713.

- [A non-receptor tyrosine kinase that inhibits the GTPase activity of p21cdc42.](#)

Manser E, Leung T, Salihuddin H, Tan L, Lim L.

Nature 1993 May; 363(6427):364.