Datasheet for ABIN1944924

anti-MKNK1 antibody

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Overview

Quantity:	100 µg
Target:	MKNK1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MKNK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Isotype:	IgG

Target Details

Target:	MKNK1
Alternative Name:	Mnk1 (MKNK1 Products)
Background:	May play a role in the response to environmental stress and cytokines. Appears to regulate translation by phosphorylating EIF4E, thus increasing the affinity of this protein for the 7-methylguanosine-containing mRNA cap.
Molecular Weight:	51342 Da
Gene ID:	8569
UniProt:	Q9BUB5

Target Details

Pathways:	MAPK Signaling, Cellular Response to Molecule of Bacterial Origin, Hepatitis C, Protein targeting to Nucleus, Toll-Like Receptors Cascades, Signaling of Hepatocyte Growth Factor Receptor

Application Details

Application Notes:	WB: 1:250-1:1000. WB: 1:250-1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Storage:	4 °C,-20 °C

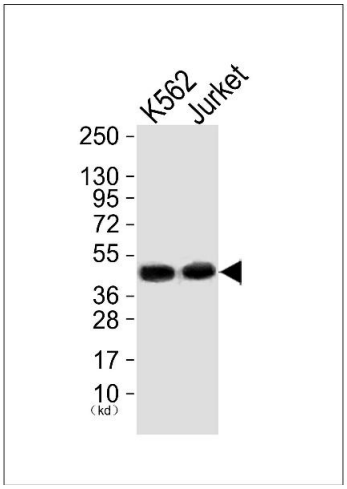
Publications

Product cited in:	Humphray, Oliver, Hunt, Plumb, Loveland, Howe, Andrews, Searle, Hunt, Scott, Jones, Ainscough, Almeida, Ambrose, Ashwell, Babbage, Babbage, Bagguley, Bailey, Banerjee, Barker, Barlow, Bates, Beasley et al.: "DNA sequence and analysis of human chromosome 9. ..." in: **Nature**, Vol. 429, Issue 6990, pp. 369-74, (2004) (PubMed). Liu, Meakin: "ShcB and ShcC activation by the Trk family of receptor tyrosine kinases." in: **The Journal of biological chemistry**, Vol. 277, Issue 29, pp. 26046-56, (2002) (PubMed). Nakamura, Sanokawa, Sasaki, Ayusawa, Oishi, Mori: "N-Shc: a neural-specific adapter molecule that mediates signaling from neurotrophin/Trk to Ras/MAPK pathway." in: **Oncogene**, Vol. 13, Issue 6, pp. 1111-21, (1996) (PubMed).

Publications

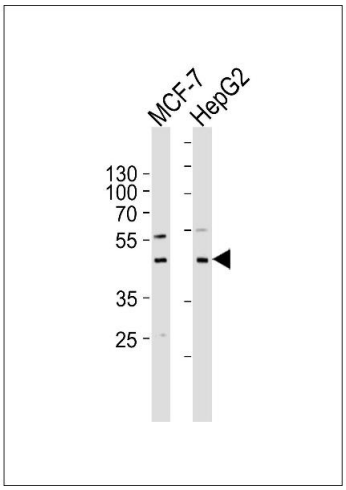
Pelicci, Dente, De Giuseppe, Verducci-Galletti, Giuli, Mele, Vetriani, Giorgio, Pandolfi, Cesareni, Pelicci: "A family of Shc related proteins with conserved PTB, CH1 and SH2 regions." in: **Oncogene**, Vol. 13, Issue 3, pp. 633-41, (1996) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of extracts from, K562 cells (Lane 1) and Jurket cells (Lane 2), using Mnk1 (Ab-385) Antibody. The lane on the left is treated with systhesized peptide.



Western Blotting

Image 2. Western blot analysis of lysates from MCF-7,HepG2 cell line (from left to right),using Mnk1 Antibody (Ab-385)(ABIN483797 and ABIN1533180). ABIN483797 and ABIN1533180 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35 µg per lane.