Datasheet for ABIN966526

anti-MAPK7 antibody (C-Term, Isoform 1)

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Overview

Quantity:	0.1 mg
Target:	MAPK7
Binding Specificity:	C-Term, Isoform 1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK7 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human MAPK7 (mitogen-activated protein kinase 7 isoform 1)

Target Details

Target:	MAPK7
Alternative Name:	MAPK7 (MAPK7 Products)
Background:	MAPK7 (mitogen-activated protein kinase 7 isoform 1) is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is specifically activated by mitogen-activated protein kinase kinase 5 (MAP2K5/MEK5). It is involved in the downstream signaling processes of various

Target Details

	receptor molecules including receptor type kinases, and G protein-coupled receptors. In response to extracelluar signals, this kinase translocates to cell nucleus, where it regulates gene expression by phosphorylating, and activating different transcription factors. Four alternatively spliced transcript variants of this gene encoding two distinct isoforms have been reported. Synonyms: BMK1, ERK4, ERK5, PRKM7
Pathways:	MAPK Signaling, Neurotrophin Signaling Pathway, Activation of Innate immune Response, cAMP Metabolic Process, Toll-Like Receptors Cascades, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Restrictions:	For Research Use only

Handling

Storage:	4 °C

Publications

Product cited in:	Sproul, Xu, Wilhelm, Gire, Greene: "Cbl negatively regulates JNK activation and cell death." in: **Cell research**, Vol. 19, Issue 8, pp. 950-61, (2009) (PubMed). Sanada, Suzuki, Shih, Otsu, Kato, Yamazaki, Tamura, Honda, Sakata-Yanagimoto, Kumano, Oda, Yamagata, Takita, Gotoh, Nakazaki, Kawamata, Onodera, Nobuyoshi, Hayashi, Harada, Kurokawa, Chiba, Mori et al.: "Gain-of-function of mutated C-CBL tumour suppressor in myeloid neoplasms. ..." in: **Nature**, Vol. 460, Issue 7257, pp. 904-8, (2009) (PubMed). Loh, Sakai, Flotho, Kang, Fliegauf, Archambeault, Mullighan, Chen, Bergstraesser, Bueso-Ramos, Emanuel, Hasle, Issa, van den Heuvel-Eibrink, Locatelli, Stary, Trebo, Wlodarski, Zecca, Shannon et al.: "Mutations in CBL occur frequently in juvenile myelomonocytic leukemia. ..." in: **Blood**, Vol. 114, Issue 9, pp. 1859-63, (2009) (PubMed). There are more publications referencing this product on: Product page