Datasheet for ABIN392422

anti-MAP3K9 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	MAP3K9
Binding Specificity:	AA 1070-1104, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP3K9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MLK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1070-1104 amino acids from the C-terminal region of human MLK1.
Clone:	RB0983
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	MAP3K9
Alternative Name:	MLK1 (MAP3K9 Products)

Target Details

Background:	MLK1 is a MLK(MAP3K) type protein kinase. The catalytic domain of mixed-lineage kinases (MLKs) kinases have amino acid sequence similarity to both the tyr-specific and the ser/thr-specific kinase classes. In addition to thee unusual nature of the kinase catalytic domains, MLK1 and MLK2 contain 2 leu/ile-zipper motifs and a basic sequence near their C-termini. MLK1 is a member of the neuronal apoptotic JNK/c-Jun pathway acting between Rac1/Cdc42 and MKK4 and -7 in death signaling. MLK1 expression has been documented in human epithelial tumor cell lines of colonic, breast and esophageal origin.
Molecular Weight:	121895
Gene ID:	4293
NCBI Accession:	NP_149132
UniProt:	P80192

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
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
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

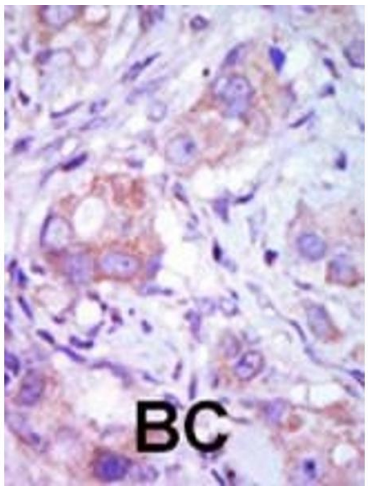
Product cited in:	Abdelalim, Masuda, Tooyama: "Expression of natriuretic peptide-activated guanylate cyclases by cholinergic and dopaminergic amacrine cells of the rat retina." in: **Peptides**, Vol. 29, Issue 4, pp. 622-8, (2008) (PubMed).

Publications

Dams, Van Acker, Gustin, Vereycken, Bunkens, Holemans, Smeulders, Clayton, Ohagen, Hertogs: "A time-resolved fluorescence assay to identify small-molecule inhibitors of HIV-1 fusion." in: **Journal of biomolecular screening**, Vol. 12, Issue 6, pp. 865-74, (2007) (PubMed).

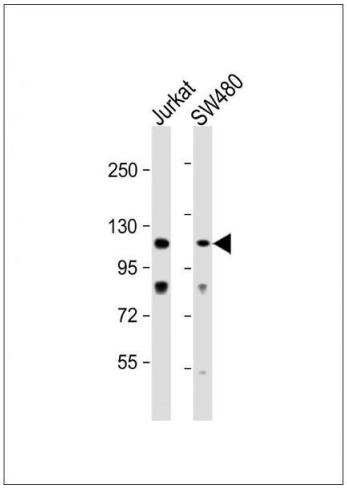
Tomescot, Leschik, Bellamy, Dubois, Messas, Bruneval, Desnos, Hagège, Amit, Itskovitz, Menasché, Pucéat: "Differentiation in vivo of cardiac committed human embryonic stem cells in postmyocardial infarcted rats." in: **Stem cells (Dayton, Ohio)**, Vol. 25, Issue 9, pp. 2200-5, (2007) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. All lanes : Anti-MLK1 Antibody (C-term) at 1:1000 dilution Lane 1: Jurkat whole cell lysate Lane 2: S 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 : 122 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.