Datasheet for ABIN6143883

anti-MLKL antibody

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Overview

Quantity:	100 µL
Target:	MLKL
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MLKL antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein of mouse MLKL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MLKL
Alternative Name:	MLKL (MLKL Products)
Background:	This gene belongs to the protein kinase superfamily. The encoded protein contains a protein kinase-like domain, however, is thought to be inactive because it lacks several residues required for activity. This protein plays a critical role in tumor necrosis factor (TNF)-induced necroptosis, a programmed cell death process, via interaction with receptor-interacting protein 3 (RIP3),

Target Details

	which is a key signaling molecule in necroptosis pathway. Inhibitor studies and knockdown of this gene inhibited TNF-induced necrosis. High levels of this protein and RIP3 are associated with inflammatory bowel disease in children. Alternatively spliced transcript variants have been described for this gene.,MLKL,hMLKL,Signal Transduction,Kinase,MLKL
Molecular Weight:	53 kDa/54 kDa
Gene ID:	74568
UniProt:	Q9D2Y4

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
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:	Fu, Wang, Wu, Feng, Wang, Zhou, Ma, Wang: "HMGA1 exacerbates tumor growth through regulating the cell cycle and accelerates migration/invasion via targeting miR-221/222 in cervical cancer." in: **Cell death & disease**, Vol. 9, Issue 6, pp. 594, (2018) (PubMed). Huang, Song, Sun, Zhang, Huang: "IRX5 promotes NF-κB signalling to increase proliferation, migration and invasion via OPN in tongue squamous cell carcinoma." in: **Journal of cellular and molecular medicine**, (2018) (PubMed).

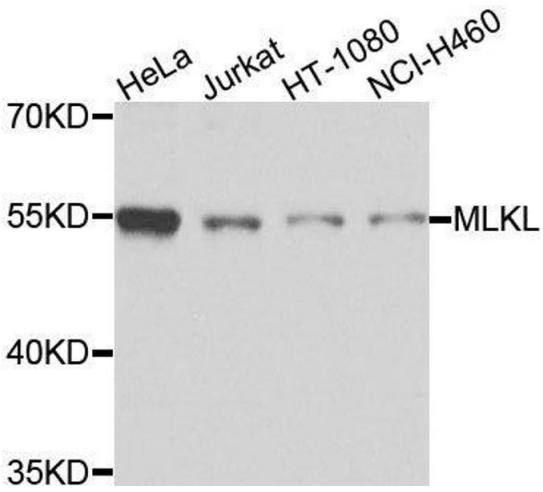
Publications

Xing, Yu, Zhang, Luo, Lei, Huang, Lin, Huang, Huang, Nong, Zhou, Wei et al.: "Isoviolanthin Extracted from Dendrobium officinale Reverses TGF-β1-Mediated Epithelial–Mesenchymal Transition in Hepatocellular Carcinoma Cells via Deactivating the TGF-β/Smad and PI3K/Akt/mTOR ..." in: **International journal of molecular sciences**, Vol. 19, Issue 6, (2018) (PubMed).

"Retracted: 'Anti-fibrotic actions of Ghrelin by inhibition of the NADPH oxidase-ROS signaling pathway' by Qian Wang, Xin Sui, Rui Chen, Peiyong Ma, Tao Ding, Dianjun Sui, and Ping Yang." in: **Clinical and experimental pharmacology & physiology**, Vol. 45, Issue 8, pp. 885, (2018) (PubMed).

Wang, Dong, Liu, Xu, Hu, Fan, Chen: "Early growth response factor-1 DNA enzyme 1 inhibits the formation of abdominal aortic aneurysm in rats." in: **Experimental and therapeutic medicine**, Vol. 16, Issue 1, pp. 141-148, (2018) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MLKL antibody.