Product Datasheet

MLKL [p Ser345] Antibody (JM92-37)
NBP2-66953

Unit Size: 100 ul

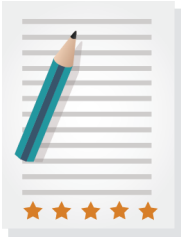
Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 7

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-66953

Updated 10/23/2024 v.20.1



NBP2-66953

MLKL [p Ser345] Antibody (JM92-37)

Product Information

Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JM92-37
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Target Molecular Weight	54 kDa

Product Description

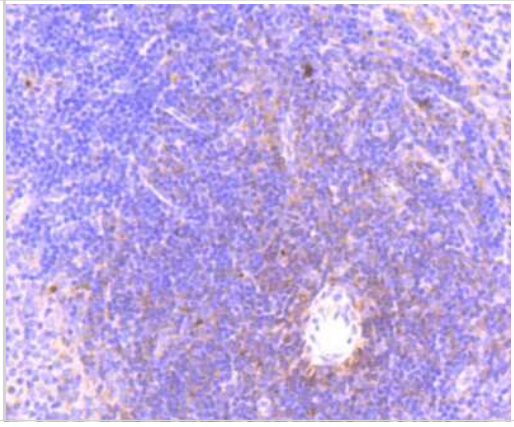
Host	Rabbit
Gene ID	197259
Gene Symbol	MLKL
Species	Human, Mouse
Reactivity Notes	Human reactivity reported in scientific publication (PMID: 32585748).
Immunogen	Synthetic phospho-peptide corresponding to residues surrounding Ser345 of mouse MLKL aa 314-363 / 472. (SwissProt: Q9D2Y4 Mouse)

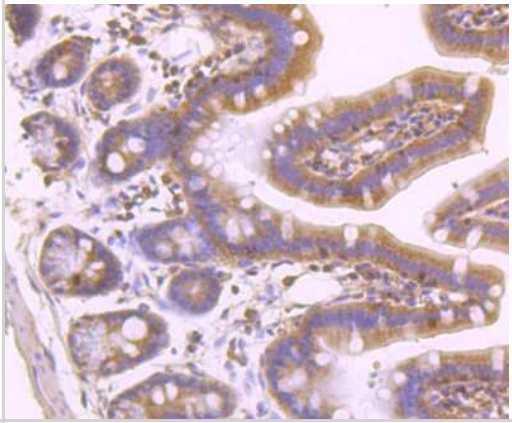
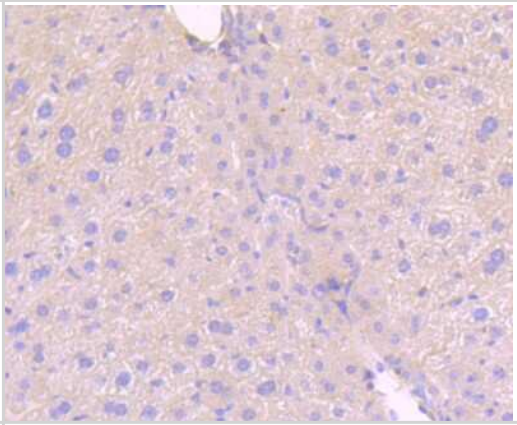
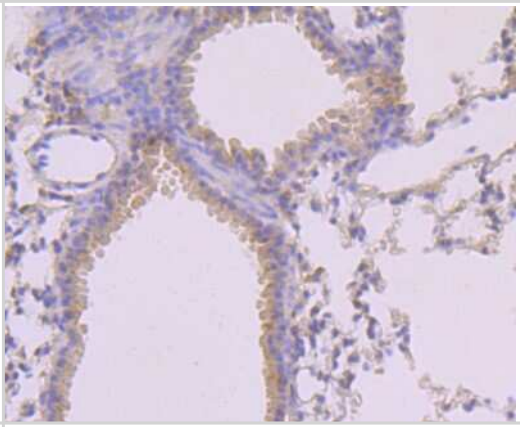
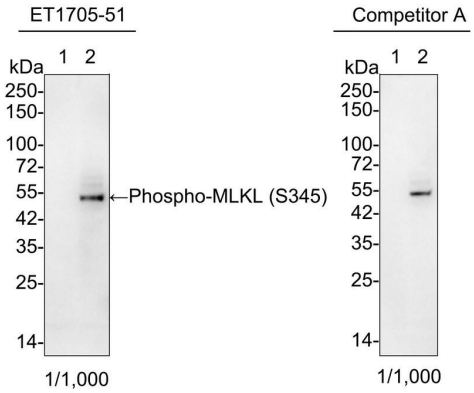
Product Application Details

Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1,000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:50-1:100, Immunohistochemistry-Frozen 1:1,000

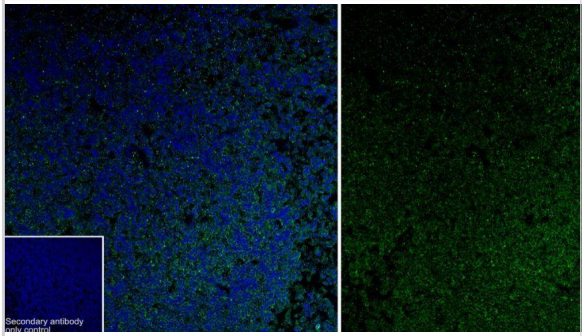
Images

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using MLKL [p Ser345] Antibody (JM92-37). The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes.The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue using MLKL [p Ser345] Antibody (JM92-37). The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.	
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using MLKL [p Ser345] Antibody (JM92-37). The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.	
Immunohistochemical analysis of paraffin-embedded mouse lung tissue using MLKL [p Ser345] Antibody (JM92-37). The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.	
Western blot analysis of MLKL [p Ser345] on different lysates with MLKL [p Ser345] Antibody (JM92-37) at 1/1,000 dilution and competitor's antibody at 1/1,000 dilution. Lane 1: L-929 cell lysate Lane 2: L929 treated with 20µM Z-VAD for 3.5 hours, then added 100nM SM-164 and 20ng/ml TNF-α for 3 hours cell lysate Lysates/proteins at 20 µg/Lane. Predicted band size: 54 kDa Observed band size: 54 kDa Exposure time: 1 minute 10 seconds; 4-20% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/1,000 dilution and competitor's antibody at 1/1,000 dilution were used in 5% NFDM/TBST at 4□ overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.	

IHC-Frozen:MLKL [p Ser345] Antibody (JM92-37)-Analysis of frozen mouse spleen tissue with Rabbit anti-Phospho-MLKL (S345) antibody at 1/100 dilution. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for about 2 minutes in microwave oven. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (green) at 1/100 dilution overnight at 4 □, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



Publications

Junxia Cao, Hongjing Gu, Xueting Zhang, Hongfang Yun, Jiarong Li, Chuan-Yimu Si, Jiyan Zhang, Hui Wang Intranasal inoculation of female BALB/c mice with replication-deficient human adenovirus type 5 expressing SARS-CoV-2 nucleocapsid protein aggravates lung pathology upon re-encountering the antigen. Virus research 2023-08-29 [PMID: 37595663]

Qin KW, Liu JF, Wu CL et al. Resveratrol Prevents Vibrio vulnificus-Induced Sepsis by Attenuating Necroptosis Biomedical and environmental sciences : BES 2023-02-20 [PMID: 36861192] (IHC, WB)

Yang Y, Li H, Yang C et al. The potent inhibitory role of suppressing TBK1 in RIPK1 associated cerebral ischemia-reperfusion injury Brain Research 2022-02-01 [PMID: 35120903] (WB, IHC-P, Mouse)

Li Y, Yang C, Yang Y et al. Reduced Levels of A20 Protein Prompted RIPK1-Dependent Apoptosis of Vascular Endothelial Cells and Blood-Brain Barrier Breakdown in CIRI Research Square 2021-09-14

Zhao P, Li C, Chen B et al. Up-regulation of CHMP4B alleviates microglial necroptosis induced by traumatic brain injury J. Cell. Mol. Med. 2020-06-25 [PMID: 32585748] (IF/IHC, Human)

Xie Y, Chen H, Luo D et al. Inhibiting necroptosis of spermatogonial stem cell as a novel strategy for male fertility preservation Stem Cells Dev. 2020-02-05 [PMID: 32024413] (WB)

Choi S, Shin SH, Lee HR et al. 1-Palmitoyl-2-linoleoyl-3-acetyl-rac-glycerol ameliorates chemoradiation-induced oral mucositis Oral Dis 2019-11-01 [PMID: 31677207] (IHC-P, WB, Mouse)

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-66953

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00197259-Q01-10ug	Recombinant Human MLKL GST (N-Term) Protein

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-66953

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications