

Rabbit MLKL Polyclonal Antibody | anti-MLKL antibody

Phospho-MLKL (Ser125) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328537	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

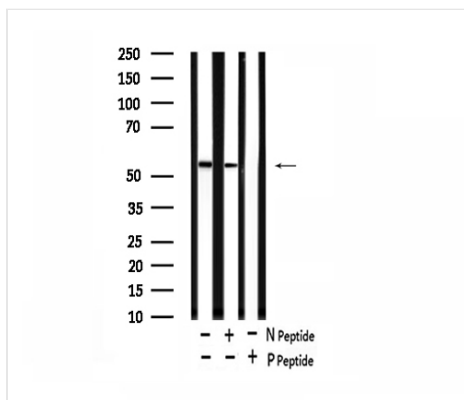
PRODUCT SYNONYMS

MLKL; Polyclonal Antibody; Phospho-MLKL (Ser125) Antibody; 9130019I15Rik; FLJ34389; hMLKL; Mixed lineage kinase domain like; Mixed lineage kinase domain like protein; Mixed lineage kinase domain like pseudokinase; Mixed lineage kinase domain-like protein; Mlkl; MLKL_HUMAN; anti-MLKL antibody

PRODUCT SPECIFICATIONS

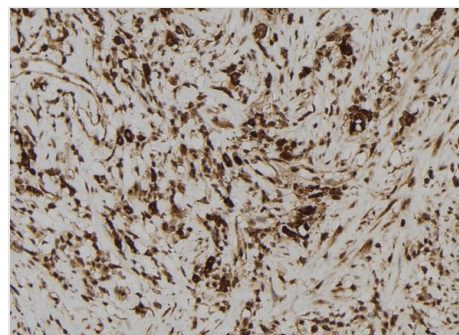
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-MLKL (Ser125) Antibody detects endogenous levels of MLKL only when phosphorylated at Ser125.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	263
Applicable Applications for anti-MLKL antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MLKL around the phosphorylation site of Ser125.
Subcellular Location	Plasma Membrane
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



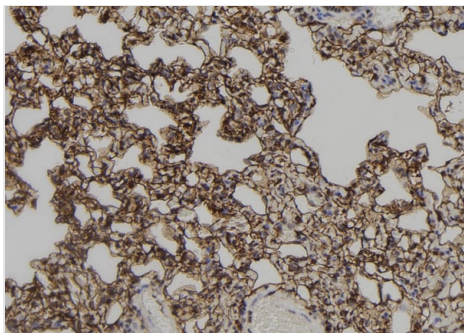
WB (Western Blot)

Western blot analysis of Phospho-MLKL (Ser125) in lysates of HeLa, using Phospho-MLKL (Ser125) Antibody.



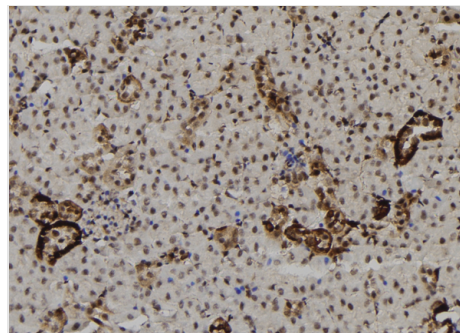
IHC (Immunohistochemistry)

At 1/100 staining human gastric cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining rat lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-MLKL antibody

Description: Pseudokinase that plays a key role in TNF-induced necroptosis, a programmed cell death process. Activated following phosphorylation by RIPK3, leading to homotrimerization, localization to the plasma membrane and execution of programmed necrosis characterized by calcium influx and plasma membrane damage. Does not have protein kinase activity.

Post Translational Modifications: Phosphorylation by RIPK3 induces a conformational switch that is required for necroptosis. It also induces homotrimerization and localization to the plasma membrane.

Subunit Structure: Homotrimer; forms homotrimers on necroptosis induction. Interacts with RIPK3; the interaction is direct. Upon TNF-induced necrosis, forms in complex with PGAM5, RIPK1 and RIPK3. Within this complex, may play a role in the proper targeting of RIPK1/RIPK3 to its downstream effector PGAM5.

Similarity: The protein kinase domain is catalytically inactive but contains an unusual pseudoactive site with an interaction between Lys-230 and Gln-356 residues. Upon phosphorylation by RIPK3, undergoes an active conformation (By similarity). The coiled coil region 2 is responsible for homotrimerization. Belongs to the protein kinase superfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	215820622
NCBI GeneID	197259
NCBI Accession #	NP_001135969.1
NCBI GenBank Nucleotide #	NP_001135969.1
UniProt Accession #	Q8NB16
Molecular Weight	Observed: 54 kDa Predicted: 55 kDa
NCBI Official Full Name	mixed lineage kinase domain-like protein isoform 2
NCBI Official Synonym Full Names	mixed lineage kinase domain like pseudokinase
NCBI Official Symbol	MLKL
NCBI Official Synonym Symbols	hMLKL
NCBI Protein Information	mixed lineage kinase domain-like protein
UniProt Protein Name	Mixed lineage kinase domain-like protein
UniProt Gene Name	MLKL

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/mlkl-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328537>