

ARG66726
anti-MLKL phospho (Ser345) antibodyPackage: 20 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MLKL phospho (Ser345)
Tested Reactivity	Ms
Tested Application	Dot
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MLKL
Species	Mouse
Immunogen	Phosphospecific peptide around Ser345 of Mouse MLKL.
Conjugation	Un-conjugated
Alternate Names	Mixed lineage kinase domain-like protein; hMLKL

Application Instructions

Application table	Application	Dilution
	Dot	1:2000 - 1:5000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

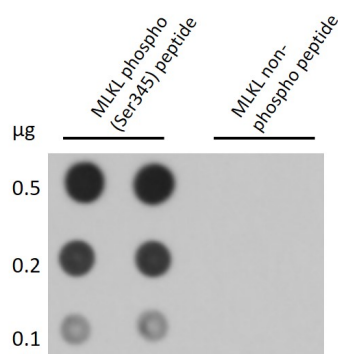
Form	Liquid
Purification	Unpurified
Buffer	Serum and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MLKL
Gene Full Name	mixed lineage kinase domain-like

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), 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. [provided by RefSeq, Sep 2015]
Function	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. [UniProt]
Highlight	Related products: MLKL antibodies ; MLKL Duos / Panels ; Anti-Rabbit IgG secondary antibodies ; Related news: RIP1 activation and pathogenesis of NASH Ripoptosome & Necrosome antibody panels are launched
Calculated Mw	54 kDa
PTM	Phosphorylation by RIPK3 induces a conformational switch that is required for necroptosis. It also induces homotrimerization and localization to the plasma membrane. [UniProt]
Cellular Localization	Cytoplasm. Cell membrane. Note=Localizes to the cytoplasm and translocates to the plasma membrane on necroptosis induction. [UniProt]

Images



ARG66726 anti-MLKL phospho (Ser345) antibody Dot Blot image

Dot Blot: 0.5, 0.2 and 0.1 µg of MLKL non-phospho peptide or MLKL phospho (Ser345) peptide per dot were stained with ARG66726 anti-MLKL phospho (Ser345) antibody at 1:4000 dilution.