

Product datasheet

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ARG43709 anti-MLKL phospho (Ser358) antibody

Package: 50 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes MLKL phospho (Ser358)

Tested Reactivity Hu

Tested Application IHC-P, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name MLKL

Species Human

Immunogen Phosphospecific peptide around Ser358 of Human MLKL.

Conjugation Un-conjugated

Alternate Names Mixed lineage kinase domain-like protein; hMLKL

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	Based on the user's reply this antibody might be used for ICC/IF staining, but we have not tested it. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human gastric cancer	
Observed Size	~ 55 kDa	

Properties

Form Liquid

Purification Affinity purified via sequential chromatography on phospho-peptide and non-phospho-peptide affinity

columns.

Buffer PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

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. 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.

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

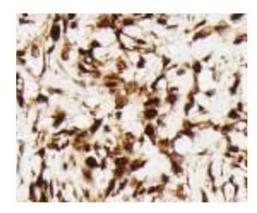
PTM Phosphorylation by RIPK3 induces a conformational switch that is required for necroptosis. It also

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



ARG43709 anti-MLKL phospho (Ser358) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human gastric cancer stained with ARG43709 anti-MLKL phospho (Ser358) antibody at 1:100 dilution at RT for 90 min. Antigen retrieval: Citrate buffer (pH 6.0).