

Recombinant

DGRmAb®

**MLKL (DGR12141) Rabbit mAb (PBS Only)**

db12457-PBS

Package : 100µg

**Product Name** : MLKL (DGR12141) Rabbit mAb (PBS Only)**Cat.No.:** db12457-PBS**Synonyms** : hMLKL**Application** : WB, IHC-P, ICC/IF**Reactivity** : Human**Host species** : Rabbit**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]

**Immunogen**

Recombinant protein of human MLKL

**Gene ID**

197259

**Swiss Prot**

Q8NB16

**Synonyms**

hMLKL

**Reactivity**

Human

**Application**

WB, IHC-P, ICC/IF

**Calculated MW**

55 kDa

**Observed MW**

55 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR12141

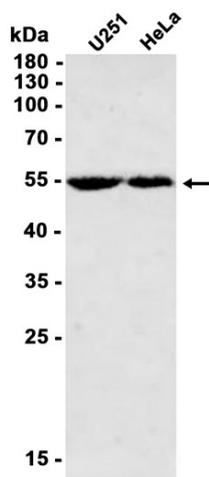
**Isotype**

IgG

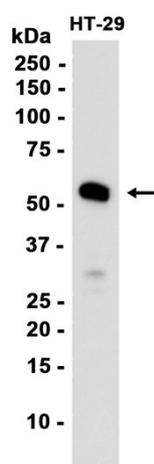
**Purity**

Affinity Purification

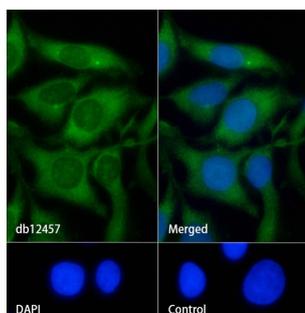
<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from U251MG, HeLa cells using [db12457](#) at 1:1000.



Western blot analysis of extracts from HT-29 cells using [db12457](#) at 1:1000.



Immunofluorescence analysis of HeLa cells labelling MLKL with [db12457](#).

The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with [db12457](#) (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 ([db10005](#), shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.

