

MLST8

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100

Calculated MW: 36kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human MLST8

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

GBL;LST8;MGC111011;POP3;WAT1 ;

Catalog #: A1059

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 64223

Isotype: IgG

Swiss Prot: Q9BVC4

Purity: Affinity purification

For research use only.

Background:

Cell growth is a fundamental biological process whereby cells accumulate mass and increase in size. The mammalian Target of Rapamycin (mTOR) pathway regulates growth by coordinating energy and nutrient signals with growth factor-derived signals (1). mTOR is a large protein kinase with two different complexes. One complex contains mTOR, GL, and raptor, which is a target of rapamycin. The other complex, insensitive to rapamycin, includes mTOR, GL, and rictor (1). GL associates with the kinase domain of mTOR and stimulates mTOR kinase activity (2). A reduction in GL expression has been shown to decrease in vivo phosphorylation of S6K1 (2).

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