

## MLST8 polyclonal antibody

Catalog: BCP01104

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Subunit of both mTORC1 and mTORC2, which regulates cell growth and survival in response to nutrient and hormonal signals. mTORC1 is activated in response to growth factors or amino acids. Growth factor-stimulated mTORC1 activation involves a AKT1-mediated phosphorylation of TSC1-TSC2, which leads to the activation of the RHEB GTPase that potently activates the protein kinase activity of mTORC1. Amino acid-signaling to mTORC1 requires its relocalization to the lysosomes mediated by the Ragulator complex and the Rag GTPases. Activated mTORC1 up-regulates protein synthesis by phosphorylating key regulators of mRNA translation and ribosome synthesis. mTORC1 phosphorylates EIF4EBP1 and releases it from inhibiting the elongation initiation factor 4E (eiF4E).

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 36 kDa

### Swiss-Prot:

Q9BVC4

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

### Storage&Stability:

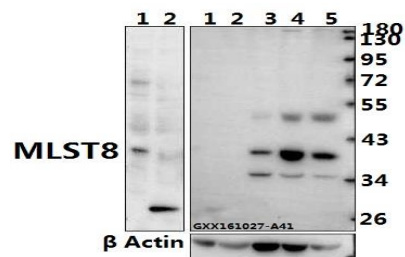
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

MLST8 polyclonal antibody detects endogenous levels of

MLST8 protein.

### DATA:



Western blot (WB) analysis of MLST8 polyclonal antibody at 1:500 dilution

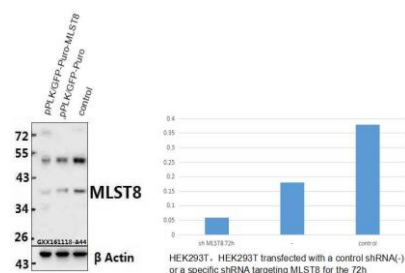
Lane1:The Heart tissue lysate of Mouse(40ug)

Lane2:The Heart tissue lysate of Rat(40ug)

Lane3:HCC827 whole cell lysate(40ug)

Lane4:L02 whole cell lysate(40ug)

Lane5:HEK293T whole cell lysate(40ug)



Western blot analysis of extracts from HEK293T cells(Lane 3), HEK293T cells transfected with control shRNA for 72h (-) (Lane 2) or MLST8 shRNA (+)(Lane 1).MLST8 was detected using MLST8 pAb #AP1000.The MLST8 Antibody confirms silencing of MLST8 expression.

### Note:

For research use only, not for use in diagnostic procedure.