

## Rabbit MLST8 Polyclonal Antibody | anti-MLST8 antibody

MLST8 Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA306260</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

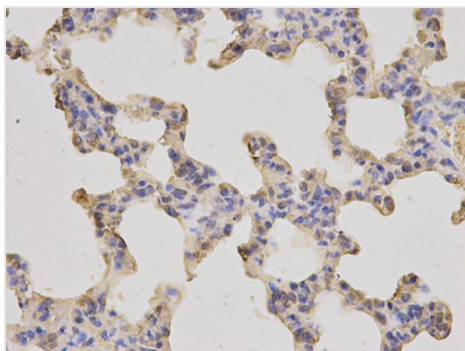
### PRODUCT SYNONYMS

MLST8; Polyclonal Antibody; MLST8 Antibody; GBL; LST8; MGC111011; POP3; WAT1; anti-MLST8 antibody

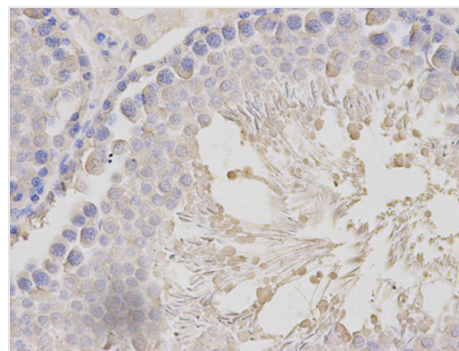
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                     |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                              |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                   |
| Clonality                                       | Polyclonal                                                                                                                          |
| Specificity                                     | The antibody detects endogenous level of total MLST8 protein.                                                                       |
| Purity/Purification                             | Antibodies were purified by affinity purification using immunogen.                                                                  |
| Form/Format                                     | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                   | 1.0 mg/ml (varies by lot)                                                                                                           |
| Sequence Length                                 | 326                                                                                                                                 |
| Applicable Applications for anti-MLST8 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                       |
| Immunogen Type                                  | Recombinant Protein                                                                                                                 |
| Immunogen Description                           | Recombinant protein of human MLST8.                                                                                                 |
| Target Name                                     | MLST8                                                                                                                               |
| Preparation and Storage                         | Store at -20 degree C                                                                                                               |

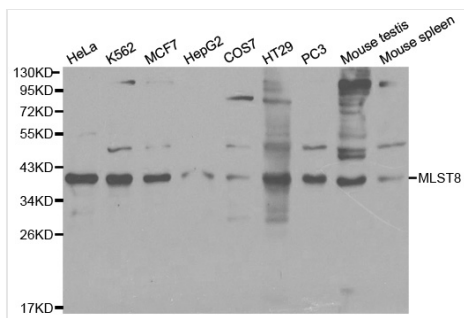
### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded rat lung using MLST8 antibody at dilution of 1:200 (400x lens).


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded rat testis using MLST8 antibody at dilution of 1:200 (400x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MLST8 antibody.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-MLST8 antibody</b> | 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, GbL, and raptor, which is a target of rapamycin. The other complex, insensitive to rapamycin, includes mTOR, GbL, and rictor (1). GbL associates with the kinase domain of mTOR and stimulates mTOR kinase activity (2). A reduction in GbL expression has been shown to decrease in vivo phosphorylation of S6K1 (2). |
| <b>Product Categories/Family for anti-MLST8 antibody</b>   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                        |
|-----------------------------------------|------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 312596910                                                              |
| <b>NCBI GeneID</b>                      | 64223                                                                  |
| <b>NCBI Accession #</b>                 | NP_001186102.1                                                         |
| <b>NCBI GenBank Nucleotide #</b>        | NM_001199173.1                                                         |
| <b>UniProt Accession #</b>              | Q9BVC4; Q5M800; Q86Y18; Q8WUI5; Q9HA66; Q9UJV6; B3KMM4; B4DY00; D3DU88 |
| <b>Molecular Weight</b>                 | 35,748 Da                                                              |
| <b>NCBI Official Full Name</b>          | target of rapamycin complex subunit LST8 isoform a                     |
| <b>NCBI Official Synonym Full Names</b> | MTOR associated protein, LST8 homolog                                  |
| <b>NCBI Official Symbol</b>             | MLST8                                                                  |
| <b>NCBI Official Synonym Symbols</b>    | GBL; LST8; POP3; WAT1; GbetaL                                          |
| <b>NCBI Protein Information</b>         | target of rapamycin complex subunit LST8                               |
| <b>UniProt Protein Name</b>             | Target of rapamycin complex subunit LST8                               |
| <b>UniProt Gene Name</b>                | <b>MLST8</b>                                                           |
| <b>UniProt Synonym Gene Names</b>       | GBL; LST8; TORC subunit LST8; Gable; Protein GbetaL; mLST8             |
| <b>UniProt Entry Name</b>               | LST8_HUMAN                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mlst8-antibody-immunohistochemistry-western-blot-elisa/306260>