

## Rabbit TMLHE Polyclonal Antibody | anti-TMLHE antibody

Rabbit anti-TMLHE Antibody

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA222425</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

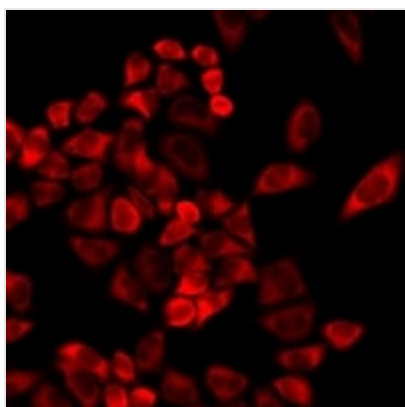
### PRODUCT SYNONYMS

TMLHE; Polyclonal Antibody; Rabbit anti-TMLHE Antibody; TMLH; Trimethyllysine dioxygenase; mitochondrial; Epsilon-trimethyllysine 2-oxoglutarate dioxygenase; Epsilon-trimethyllysine hydroxylase; TML hydroxylase; TML-alpha-ketoglutarate dioxygenase; TML dioxygenase; TMLD; anti-TMLHE antibody

### PRODUCT SPECIFICATIONS

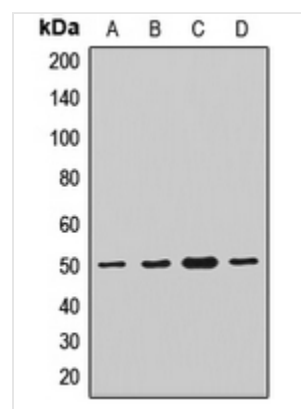
|                                                 |                                                                                                           |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                    |
| Reactivity                                      | Human, Mouse, Rat                                                                                         |
| Clonality                                       | Polyclonal                                                                                                |
| Purity/Purification                             | The antibody was purified by immunogen affinity chromatography.                                           |
| Form/Format                                     | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Concentration                                   | 1mg/mL (varies by lot)                                                                                    |
| Applicable Applications for anti-TMLHE antibody | IC (Immunochemistry), IF (Immunofluorescence), WB (Western Blot)                                          |
| Immunogen                                       | Recombinant full length protein of human TMLHE                                                            |
| Preparation and Storage                         | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                 |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of TMLHE staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### WB (Western Blot)

Western blot analysis of TMLHE expression in HT29 (A), SKOV3 (B), mouse heart (C), rat liver (D) whole cell lysates.

ADDITIONAL INFORMATION

|                                                   |                    |
|---------------------------------------------------|--------------------|
| Product Categories/Family for anti-TMLHE antibody | Primary antibodies |
|---------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 21542295                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 55217                                                                                                                                                                                                                                                           |
| UniProt Accession #              | Q9NVH6; Q91ZE0; Q91ZW6                                                                                                                                                                                                                                          |
| Molecular Weight                 | 421                                                                                                                                                                                                                                                             |
| NCBI Official Full Name          | Trimethyllysine dioxygenase, mitochondrial                                                                                                                                                                                                                      |
| NCBI Official Synonym Full Names | trimethyllysine hydroxylase, epsilon                                                                                                                                                                                                                            |
| NCBI Official Symbol             | TMLHE                                                                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | TMLD; TMLH; BBOX2; AUTSX6; TMLHED; XAP130                                                                                                                                                                                                                       |
| NCBI Protein Information         | trimethyllysine dioxygenase, mitochondrial; TML hydroxylase; TML-alpha-ketoglutarate dioxygenase; epsilon-trimethyllysine hydroxylase; epsilon-trimethyllysine 2-oxoglutarate dioxygenase; butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetai |
| UniProt Protein Name             | Trimethyllysine dioxygenase, mitochondrial                                                                                                                                                                                                                      |
| UniProt Gene Name                | TMLHE                                                                                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | TMLH; TML dioxygenase; TMLD                                                                                                                                                                                                                                     |
| UniProt Entry Name               | TMLH_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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