

## Rabbit anti-Human GHITM Polyclonal Antibody | anti-GHITM antibody

GHITM Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                 |
|-----------|--------|------------|--------------------------------------------------------------|
| AAA324759 | Rabbit | Human      | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

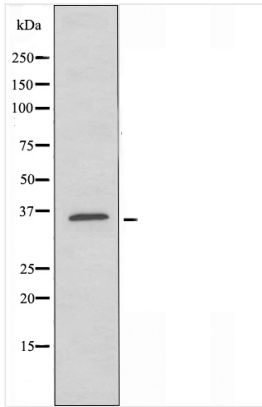
### PRODUCT SYNONYMS

GHITM; Polyclonal Antibody; GHITM Antibody; Dermal papilla derived protein 2; Dermal papilla-derived protein 2; DERP2; Ghitm; GHITM\_HUMAN; Growth hormone inducible transmembrane protein; Growth hormone-inducible transmembrane protein; HSPC282; MICS1; Mitochondrial morphology and cristae structure 1; My021; PTD010; TMBIM5; Transmembrane BAX inhibitor motif containing 5; Transmembrane BAX inhibitor motif containing protein 5; Transmembrane BAX inhibitor motif-containing protein 5; anti-GHITM antibody

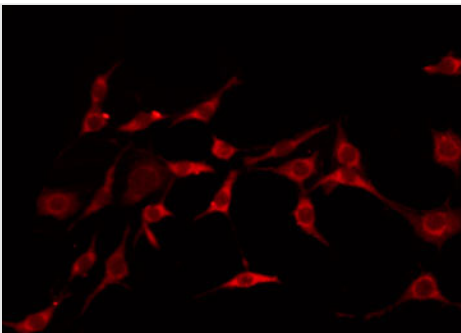
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                        |
| Reactivity                                      | Human                                                                                         |
| Clonality                                       | Polyclonal                                                                                    |
| Isotype                                         | IgG                                                                                           |
| Specificity                                     | GHITM antibody detects endogenous levels of total GHITM                                       |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                   | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                                 | 345                                                                                           |
| Applicable Applications for anti-GHITM antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                  |
| Immunogen                                       | A synthesized peptide                                                                         |
| Subcellular Location                            | Mitochondrion                                                                                 |
| Predicted Cross Reactivity                      | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog</b>                                                 |
| Similarity                                      | Pig (100%), Bovine (100%), Horse (91%), Sheep (100%), Rabbit (100%), Dog (82%)                |
| Conjugation                                     | Unconjugated                                                                                  |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

IMAGES



**WB (Western Blot)**  
Western blot analysis of extracts from LOVO cells, using GHITM antibody.



**IF (Immunofluorescence)**  
AAA324759 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                             |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GHITM antibody | Function: Required for the mitochondrial tubular network and cristae organization. Involved in apoptotic release of cytochrome c.<br>Similarity: Belongs to the B11 family. |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 118200356                                      |
| NCBI GeneID                      | 27069                                          |
| NCBI Accession #                 | NP_055209.2                                    |
| NCBI GenBank Nucleotide #        | NM_014394.2                                    |
| UniProt Accession #              | Q9H3K2; O95894; Q5VT95; Q9H0P2; A8K9Z9; D3DWE0 |
| Molecular Weight                 | Observed: 37 kD<br>Predicted: 38 kDa           |
| NCBI Official Full Name          | growth hormone-inducible transmembrane protein |
| NCBI Official Synonym Full Names | growth hormone inducible transmembrane protein |
| NCBI Official Symbol             | GHITM                                          |
| NCBI Official Synonym Symbols    | DERP2; MICS1; My021; PTD010; TMBIM5; HSPC282   |
| NCBI Protein Information         | growth hormone-inducible transmembrane protein |
| UniProt Protein Name             | Growth hormone-inducible transmembrane protein |
| UniProt Gene Name                | GHITM                                          |
| UniProt Synonym Gene Names       | DERP2; MICS1; TMBIM5; MICS1                    |

**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.