

Anti-GHITM Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A11256-1-Fluoro647

About GHITM

Growth hormone-inducible transmembrane protein (GHITM), also known as transmembrane BAX inhibitor motif containing protein 5 (TMBIM5), is a protein that in humans is encoded by the GHITM gene on chromosome 10. GHITM, also known as MICS1, TMBIM5 or DERP2, is a mitochondrial protein which localizes in the inner membrane. GHITM is involved in mitochondrial morphology in specific cristae structures and the apoptotic release of cytochrome c from the mitochondria. The gene of GHITM maps to chromosome 10q23.1, and encodes a 345-amino-acid protein with a calculated molecular mass of 37 kDa. The apparent molecular weight has been reported to be 42 kDa, the increased size in the protein may be due to post-translational modifications. GHITM can be cleaved into smaller forms of 23-27 kDa.

Overview

Product Name	Anti-GHITM Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9H3K2

Technical Details

Immunogen	E.coli-derived human GHITM recombinant protein (Position: M1-K345).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

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