GHITM Recombinant antibody

Catalog Number:83548-3-RR

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:	83548-3-RR
Size:	100ul , Concentration: 1000 ug/ml by Nanodrop;
Source:	Rabbit
Isotype:	IgG
Immunogen Catalog Number:	AG35170

GenBank Accession Number:	BC010354
GeneID (NCBI):	27069
UNIPROT ID:	Q9H3K2
Full Name:	growth hormone inducible transmembrane protein
Calculated MW:	345 aa, 37 kDa
Observed MW:	37 kDa

Purification Method:	Protein A purification
CloneNo.:	240541D3
Recommended Dilutions:	WB 1:600-1:4000

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human, mouse

Positive Controls:
WB : HeLa cells, HEK-293T cells, SH-SY5Y cells, mouse liver tissue

Background Information

GHITM, also known as MICS1, TMBIM5 or DERP2, is a mitochondrial protein that 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 (PMID: 18417609). The gene of GHITM maps to chromosome 10q23.1, and encodes a 345-amino-acid protein with a calculated molecular mass of 37 kDa.

Storage

Storage:
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

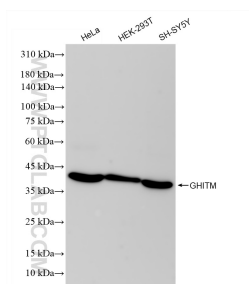***** 20ul sizes contain 0.1% BSA**

Various lysates were subjected to SDS PAGE followed by western blot with 83548-3-RR (GHITM antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.
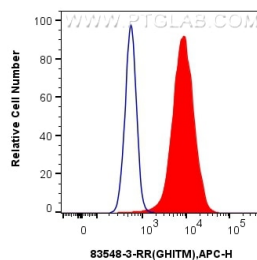
1x10^6 HeLa cells were intracellularly stained with 0.25 ug GHITM Recombinant antibody (83548-3-RR, Clone:240541D3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).
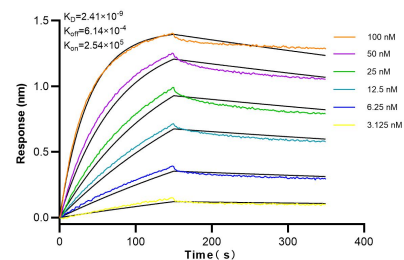
Biolayer interferometry (BLI) kinetic assays of 83548-3-RR against Human GHITM were performed. The affinity constant is 2.41 nM.