For Research Use Only

MIC10 Polyclonal antibody

Catalog Number:31561-1-AP

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
31561-1-AP

Size:
150ul , Concentration: 350 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG34301

GenBank Accession Number:
NM_001032363

GeneID (NCBI):
440574

UNIPROT ID:
Q5TGZ0

Full Name:
chromosome 1 open reading frame 151

Calculated MW:
9 kDa

Observed MW:
10 kDa

Purification Method:
Antigen affinity Purification

Recommended Dilutions:
WB 1:500-1:1000
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
Human, Mouse

Positive Controls:

WB : HCT 116 cells, HEK-293 cells, L02 cells, mouse heart tissue

IF/ICC : HepG2 cells,

Background Information

MIC10, also known as C1orf151, MICOS10, and MINOS1, belongs to the MICOS complex subunit Mic10 family. MIC10 is a component of the MICOS complex, which is a large protein complex located in the inner membrane of mitochondria. MIC10 plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane. MIC10 is also functionally connected to the F1Fo-ATP synthase (PMID: 22114354, PMID: 28315355).

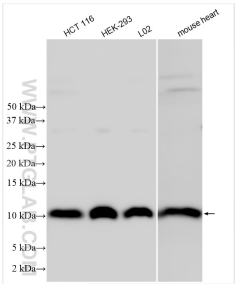
Storage

Storage:
Store at -20°C. 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

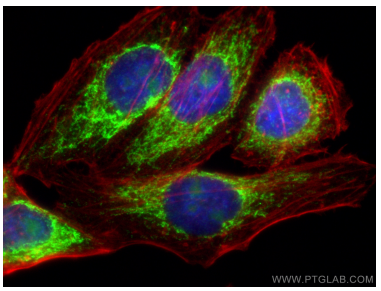
***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31561-1-AP (MIC10 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MIC10 antibody (31561-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).