

For Research Use Only

MIRO2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 88330-1-PBS



Basic Information

Catalog Number: 88330-1-PBS	GenBank Accession Number: BC014942	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 89941	CloneNo.: 260828B1
Source: Rabbit	UNIPROT ID: Q8IXI1	
Isotype: IgG	Full Name: ras homolog gene family, member T2	
Immunogen Catalog Number: AG1752	Calculated MW: 68 kDa	
	Observed MW: 68-75 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

RHOT2 (Ras homolog gene family, member T2), also known as ARHT2, RASL or MIRO-2 (mitochondrial Rho GTPase 2), is a 618 amino acid single-pass type IV membrane protein as a member of the Rho family of GTPases. It is localized to the outer mitochondrial membrane and plays a role in mitochondrial trafficking and fusion-fission dynamics. RHOT2 is ubiquitously expressed with highest levels found in pancreas, heart, kidney and skeletal muscle. MIRO2 is highly phosphorylated at basal conditions, as evidenced by an immunoreactive band that electrophoretically migrates 7 kDa higher (~75 kDa) compared to its predicted molecular weight (68 kDa) (PMID: 28556983).

Storage

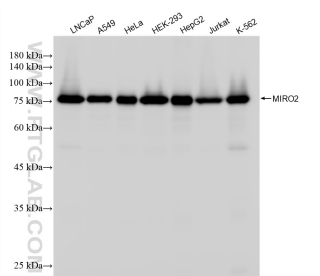
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

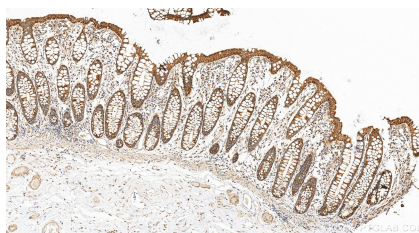
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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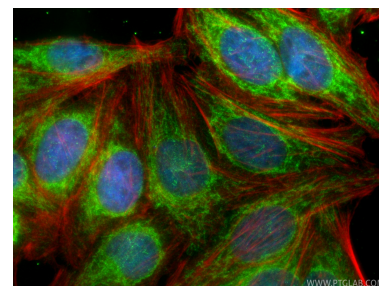
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88330-1-RR (MIRO2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88330-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 88330-1-RR (MIRO2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 88330-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MIRO2 antibody (88330-1-RR, Clone: 260828B1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red). This data was developed using the same antibody clone with 88330-1-PBS in a different storage buffer formulation.