

For Research Use Only

TBC1D4 Polyclonal antibody

Catalog Number: 20024-1-AP



Basic Information

Catalog Number: 20024-1-AP	GenBank Accession Number: NM_014832	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 9882	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	UNIPROT ID: O60343	
Isotype: IgG	Full Name: TBC1 domain family, member 4	
	Calculated MW: 147 kDa	
	Observed MW: 160 kDa	

Applications

Tested Applications:
FC, IF/ICC, IHC, WB, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse skeletal muscle tissue, rat skeletal muscle tissue

IHC: mouse colon tissue, rat skeletal muscle tissue, mouse skeletal muscle tissue

IF: HeLa cells,

Background Information

TBC1D4, also named as AS160, KIAA0603, may act as a GTPase-activating protein for RAB2A, RAB8A, RAB10 and RAB14. Isoform 2 promotes insulin-induced glucose transporter SLC2A4/ GLUT4 translocation at the plasma membrane, thus increasing glucose uptake. The antibody recognizes all the isoform of TBC1D4.

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

For technical support and original validation data for this product please contact:

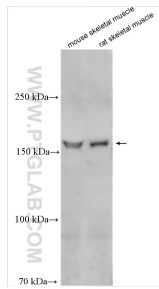
T: 4006900926

E: Proteintech-CN@ptglab.com

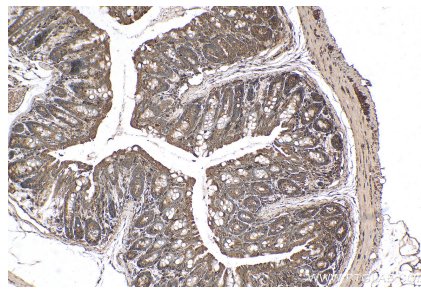
W: ptgcn.com

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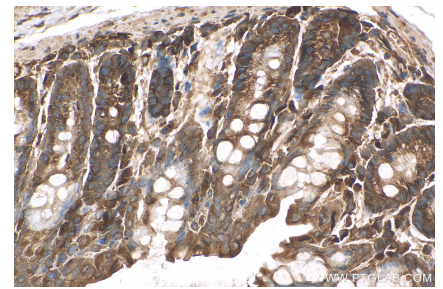
Selected Validation Data



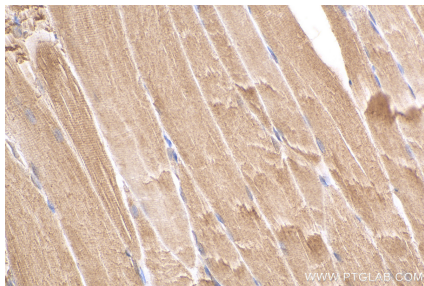
Various lysates were subjected to SDS PAGE followed by western blot with 20024-1-AP (TBC1D4 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



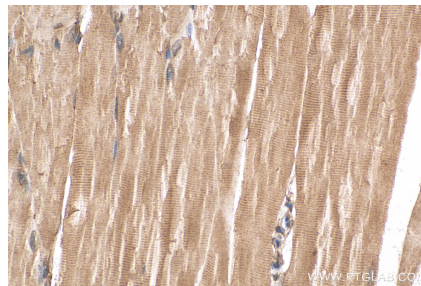
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 20024-1-AP (TBC1D4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



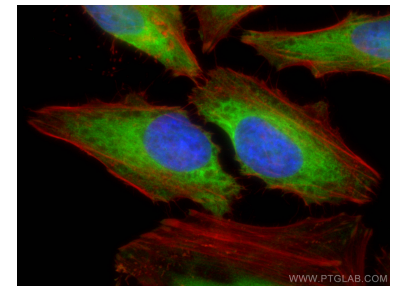
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 20024-1-AP (TBC1D4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



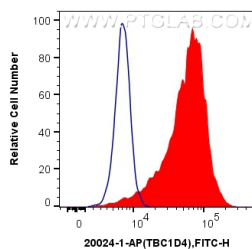
Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using 20024-1-AP (TBC1D4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



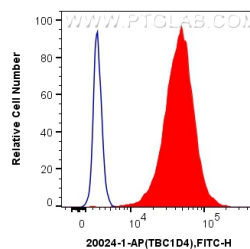
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 20024-1-AP (TBC1D4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TBC1D4 antibody (20024-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1×10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human TBC1D4 (20024-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1×10^6 Jurkat cells were intracellularly stained with 0.4 ug Anti-Human TBC1D4 (20024-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).