

TBC1D4 Polyclonal antibody

Catalog Number: 24667-1-AP

Basic Information

Catalog Number: 24667-1-AP	GenBank Accession Number: BC151239	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 9882	Recommended Dilutions: WB 1:1000-1:5000
Source: Rabbit	UNIPROT ID: O60343	IHC 1:200-1:800 IF/ICC 1:50-1:500
Isotype: IgG	Full Name: TBC1 domain family, member 4	
Immunogen Catalog Number: AG20327	Calculated MW: 1299 aa, 147 kDa	
	Observed MW: 160 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, rat	WB : HCT 116 cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, PC-12 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse colon tissue, human colon tissue, human heart tissue
	IF/ICC : HeLa cells,

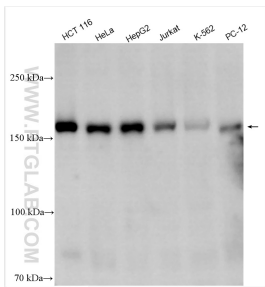
Background Information

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.

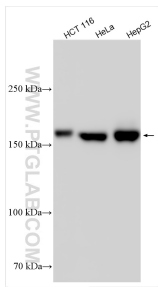
Storage

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24667-1-AP (TBC1D4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



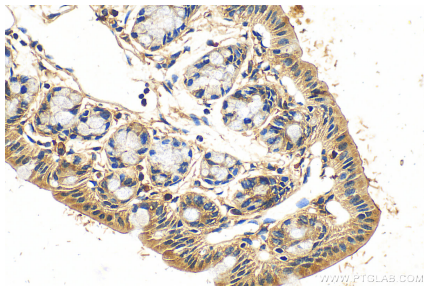
Various lysates were subjected to SDS PAGE followed by western blot with 24667-1-AP (TBC1D4 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



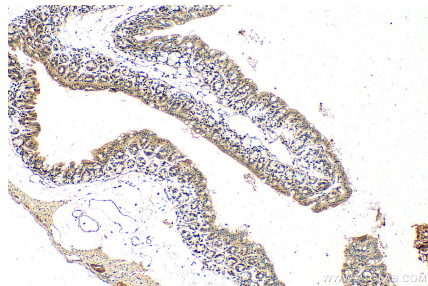
Immunohistochemical analysis of paraffin-embedded human colon slide using 24667-1-AP (TBC1D4 Antibody) at dilution of 1:50.



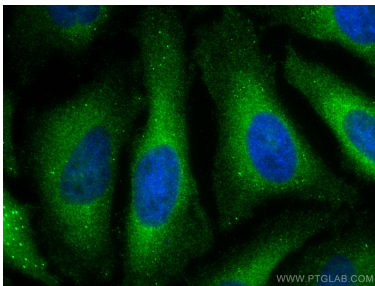
Immunohistochemical analysis of paraffin-embedded human colon slide using 24667-1-AP (TBC1D4 Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 24667-1-AP (TBC1D4 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 24667-1-AP (TBC1D4 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TBC1D4 antibody (24667-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).