

For Research Use Only

VPS37C Polyclonal antibody

Catalog Number: 27128-1-AP



Basic Information

Catalog Number: 27128-1-AP	GenBank Accession Number: BC141827	Purification Method: Antigen affinity purification
Concentration: 450 ug/ml	GeneID (NCBI): 55048	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: A5D8V6	IHC 1:50-1:500 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: vacuolar protein sorting 37 homolog C (S. cerevisiae)	
Immunogen Catalog Number: AG26024	Observed MW: 39-45 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HT-29 cells, SK-BR-3 cells, T-47D 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, mouse lung tissue
	IF/ICC : Raji cells,

Background Information

VPS37C (Vacuolar protein sorting-associated protein 37C) is also named as hVps37C, PML39 and ESCRT-I complex subunit VPS37C. VPS37C is a core subunit of the Endosomal sorting complex required for transport-I (ESCRT-I) complex (PMID: 37307706). VPS37C interacts with EKLF and prevents K48-linked polyubiquitination of EKLF and proteasome-mediated EKLF degradation, thus enhancing EKLF protein stability and transcriptional activity (PMID: 37307706).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

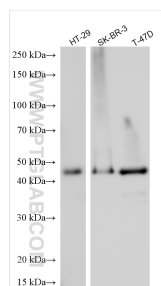
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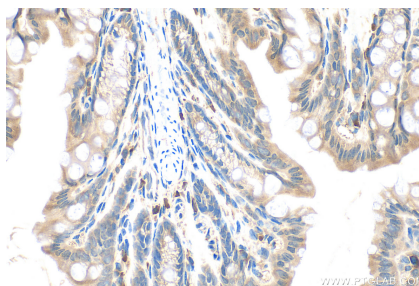
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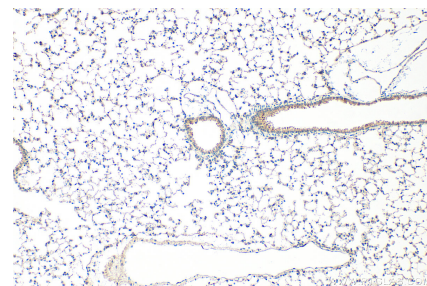
Selected Validation Data



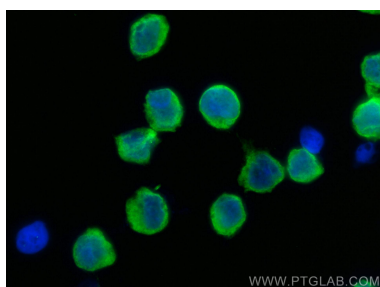
Various lysates were subjected to SDS PAGE followed by western blot with 27128-1-AP (VP537C antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 27128-1-AP (VP537C 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 lung tissue slide using 27128-1-AP (VP537C antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Raji cells using VP537C antibody (27128-1-AP) at dilution of 1:400 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).