

For Research Use Only

BAP31 Recombinant antibody

Catalog Number: 84584-5-RR



Basic Information

Catalog Number: 84584-5-RR	GenBank Accession Number: BC014323	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 10134	CloneNo.: 241978D10
Source: Rabbit	UNIPROT ID: P51572	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:400-1:1600 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: B-cell receptor-associated protein 31	
Immunogen Catalog Number: AG1668	Calculated MW: 28 kDa Observed MW: 28 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : A431 cells, HEK-293 cells, HeLa cells, MCF-7 cells, THP-1 cells, mouse liver tissue, rat liver tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human colon cancer tissue, human placenta tissue
	IF/ICC : HeLa cells,

Background Information

BAP31, also known as BCAP31, is a chaperone protein abundant in the endoplasmic reticulum (ER). BAP31 plays a role in the export of secreted proteins in the ER, the recognition of abnormally folded proteins, and their targeting to the ER-associated-degradation (ERAD). CDIP1 and BAP31 interact upon ER stress to regulate the mitochondrial apoptosis pathway (PMID: 24139803). It also serves as a cargo receptor for the export of transmembrane proteins. BAP31 may be involved in apoptosis.

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:

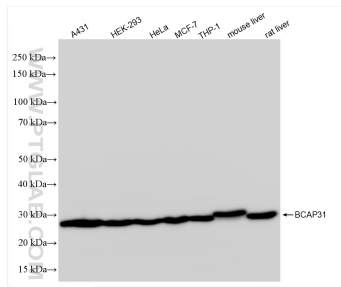
T: 4006900926

E: Proteintech-CN@ptglab.com

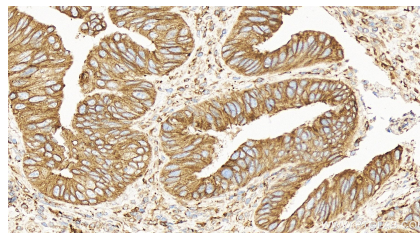
W: ptgcn.com

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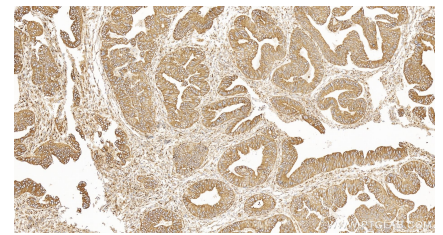
Selected Validation Data



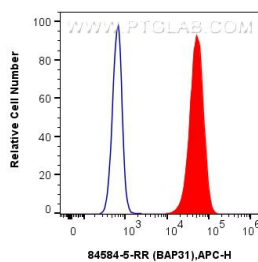
Various lysates were subjected to SDS PAGE followed by western blot with 84584-5-RR (BAP31 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



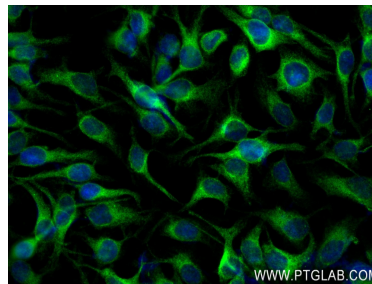
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 84584-5-RR (BAP31 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



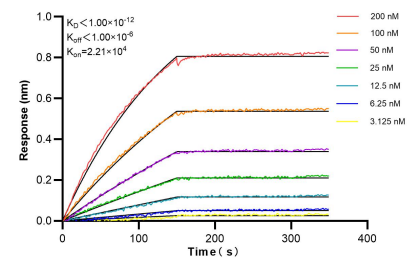
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 84584-5-RR (BAP31 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug BAP31 Recombinant antibody (84584-5-RR, Clone: 241978D10) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using BAP31 antibody (84584-5-RR, Clone: 241978D10) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Bilayer interferometry (BLI) kinetic assays of 84584-5-RR against Human BAP31 were performed. The affinity constant is below 1 pM.