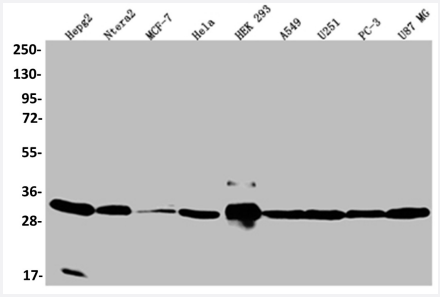
RecomAb™

BCAP31 recombinant monoclonal antibody, clone 12G12

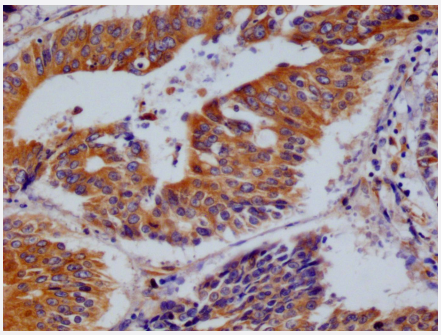
Catalog # RAB07584 Size 100 uL

Applications



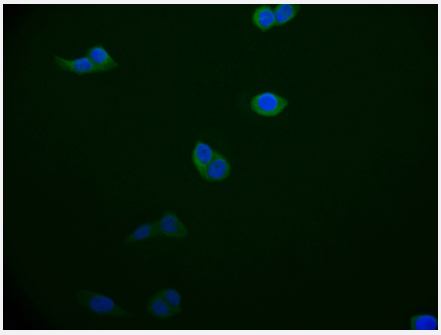
Western Blot (Cell lysate)

Western blot analysis of HepG2 whole cell lysate, Ntera-2 whole cell lysate, MCF-7 whole cell lysate, Hela whole cell lysate, HEK293 whole cell lysate, A549 whole cell lysate, U251 whole cell lysate, PC3 whole cell lysate, U87 whole cell lysate with BCAP31 recombinant monoclonal antibody, clone 12G12 (Cat # RAB07584).



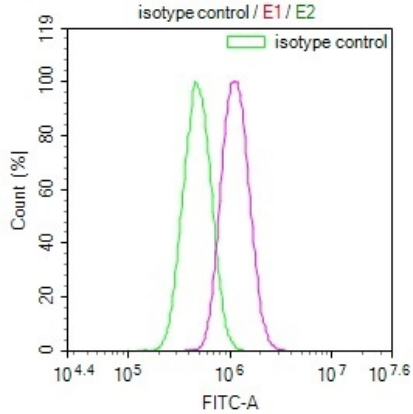
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human colon cancer using BCAP31 recombinant monoclonal antibody, clone 12G12 (Cat # RAB07584) on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



Immunofluorescence

Immunofluorescent staining of A549 Cells with BCAP31 recombinant monoclonal antibody, clone 12G12 (Cat # RAB07584), counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 526-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Flow Cytometry

Flow cytometry shows PC3 cells stained with BCAP31 recombinant monoclonal antibody, clone 12G12 (Cat # RAB07584)(red line). The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*10^{6}cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1ug/1*10^{6}cells) used under the same conditions. Acquisition of >10,000 events was performed.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human BCAP31.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human BCAP31.
Theoretical MW (kDa)	Calculated MW: 28, 3
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

  Immunofluorescent staining of A549 Cells with BCAP31 recombinant monoclonal antibody, clone 12G12 (Cat # RAB07584), counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 526-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

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Gene Info — BCAP31

Entrez GeneID	10134
Protein Accession#	P51572
Gene Name	BCAP31
Gene Alias	6C6-AG, BAP31, CDM, DXS1357E
Gene Description	B-cell receptor-associated protein 31
Omim ID	300398

Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the B-cell receptor associated protein 31 superfamily. The enco ded protein is a multi-pass transmembrane protein of the endoplasmic reticulum that is involved in the anterograde transport of membrane proteins from the endoplasmic reticulum to the Golgi and in the caspase 8-mediated apoptosis. Microdeletions in this gene are associated with the contigu ous ABCD1/DXS1375E deletion syndrome. Two pseudogenes have been identified on chromos ome 16. Alternatively spliced transcript variants encoding distinct isoforms have been described although the biological validity of some of the variants has not been determined. [provided by Ref Seq
Other Designations	6C6 antigen|BCR-associated protein Bap31|OTTHUMP00000025977|OTTHUMP00000025978| p28 Bap31