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KD-Validated Anti-B cell receptor associated protein 31 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1221

Product Information

Application	WB, FC, ICC
Primary Accession	P51572
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB3680
Calculated MW	27992
Gene Name	BCAP31
Aliases	BCAP31; B Cell Receptor Associated Protein 31; DXS1357E; BAP31; CDM; B-Cell Receptor-Associated Protein 31; 6C6-AG Tumor-Associated Antigen; 6C6-AG; BCR-Associated Protein Bap31; BCR-Associated Protein 31; MICRODELXq28; Protein CDM; P28 Bap31; DELXQ28; 6C6-Ag; Bap31; DDCH; P28
Immunogen	A synthetic peptide of human BCAP31

Additional Information

Gene ID	10134
Other Names	B-cell receptor-associated protein 31, BCR-associated protein 31, Bap31, 6C6-AG tumor-associated antigen, Protein CDM, p28, BCAP31 (HGNC:16695)

Protein Information

Name	BCAP31 (HGNC:16695)
Function	Functions as a chaperone protein (PubMed: 18287538, PubMed:9396746). Is one of the most abundant endoplasmic reticulum (ER) proteins (PubMed:18287538, PubMed:9396746). Plays a role in the export of secreted proteins in the ER, the recognition of abnormally folded protein and their targeting to the ER associated-degradation (ERAD) (PubMed:18287538, PubMed:9396746). Also serves as a cargo receptor for the export of transmembrane proteins (By similarity). Plays a role in the assembly of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) by stimulating the translocation of NDUFS4 and NDUFB11 from the cytosol to the mitochondria via interaction with TOMM40 (PubMed:31206022). In response to ER stress, delocalizes from the ER-mitochondria contact sites and binds BCL2 (PubMed:31206022). May be involved in CASP8-mediated apoptosis (PubMed:10958671).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein

	Endoplasmic reticulum-Golgi intermediate compartment membrane; Multi-pass membrane protein. Note=May shuttle between the ER and the intermediate compartment/cis-Golgi complex (PubMed:9396746). Associates with the mitochondria-associated endoplasmic reticulum membrane via interaction with TOMM40 (PubMed:31206022)
Tissue Location	Ubiquitous. Highly expressed in neurons and discrete endocrine cells.

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