

BAP31 Rabbit mAb

Catalog # AP75145

Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	P51572
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	27992

Additional Information

Gene ID	10134
Other Names	BCAP31
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

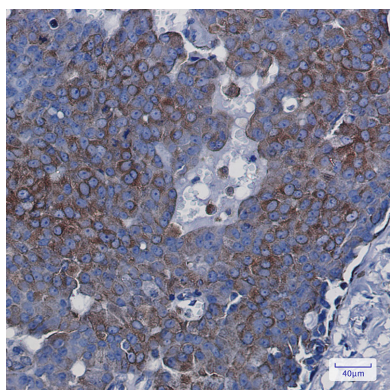
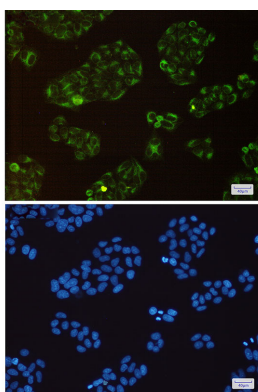
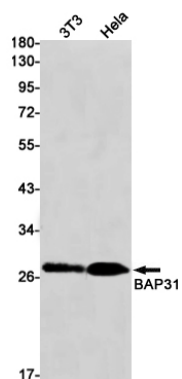
Protein Information

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.

Images



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