DATASHEET

# BAP31 Mouse Monoclonal Antibody(C3810)

CAT. NO. AMA03422

## KEY FEATURES

| | | | |
|---|---|---|---|
| Target | BAP31 | Source / Host | Mouse |
| Reactivity | Human | Clonality | Monoclonal |
| Applications | WB, IHC | Conjugation | Unconjugated |
| Form / Buffer | Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. | Storage | at-20°C |

## BACKGROUND

Functions as a chaperone protein . Is one of the most abundant endoplasmic reticulum (ER) proteins . 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) . Also serves as a cargo receptor for the export of transmembrane proteins . 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 . In response to ER stress, delocalizes from the ER-mitochondria contact sites and binds BCL2 . May be involved in CASP8-mediated apoptosis .

## APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|---|---|
| WB | 1:500 - 1:1000 |
| IHC | 1:50 - 1:200 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

## PRODUCT OVERVIEW

| | |
|---|---|
| Description | Mouse monoclonal antibody to BAP31 |
| Specificity | Recognizes endogenous levels of BAP31 protein. |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human BAP31. The exact sequence is proprietary. |
| Purification | This antibody is purified through a protein G column. |
| Molecular Weight | Predicted: 27 kD; Observed: 28 kD |
| Form/Buffer | Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | BAP31; DXS1357E; B-cell receptor-associated protein 31; BCR-associated protein 31; Bap31; 6C6-AG tumor-associated antigen; Protein CDM; p28 |
| Gene Symbol | BCAP31 |
| Entrez Gene | 10134(Human) |
| SwissProt | P51572(Human) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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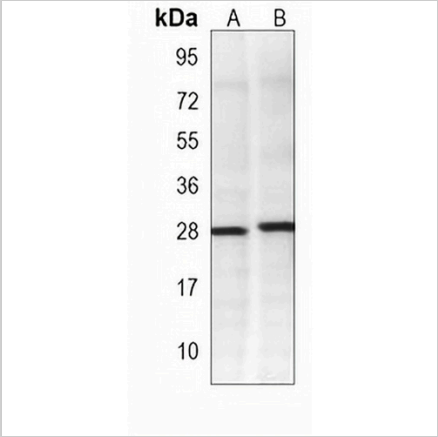
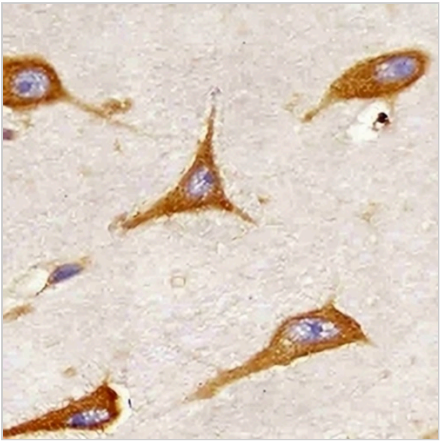
## DATA




Western blot analysis of BAP31 expression in A431 (A), NCCIT (B) whole cell lysates. (Predicted band size: 27 kD; Observed band size: 28 kD)



Immunohistochemical analysis of BAP31 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

## STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

## NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.