

# Anti-BCA3 Antibody

Catalog # AP60729

## Product Information

---

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC                |
| Primary Accession | <a href="#">Q9NQ31</a> |
| Reactivity        | Human, Mouse, Rat, Mk  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 23114                  |

## Additional Information

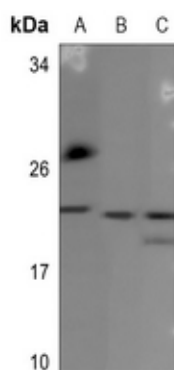
---

|                    |                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 56672                                                                                                                                       |
| Other Names        | BCA3; C11orf17; A-kinase-interacting protein 1; Breast cancer-associated gene 3 protein; PKA-interacting protein; Proline-rich protein BCA3 |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BCA3. The exact sequence is proprietary.         |
| Dilution           | WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)                                                  |
| Format             | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                   |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                                   |

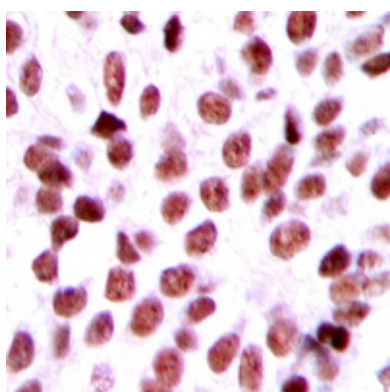
## Protein Information

---

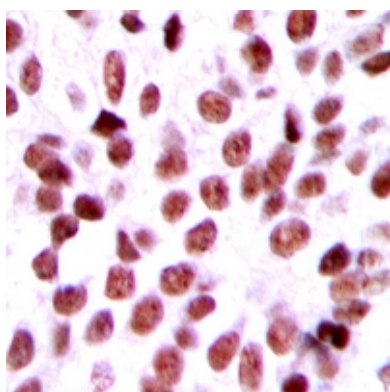
|                   |                                                                                                                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | AKIP1                                                                                                                                                                                                                                                                                     |
| Synonyms          | BCA3, C11orf17                                                                                                                                                                                                                                                                            |
| Function          | Enhances NF-kappa-B transcriptional activity by regulating the nuclear localization of the NF-kappa-B subunit RELA and promoting the phosphorylation of RELA by PRKACA. Regulates the effect of the cAMP-dependent protein kinase signaling pathway on the NF-kappa-B activation cascade. |
| Cellular Location | Nucleus. Note=Locates to punctate spots                                                                                                                                                                                                                                                   |
| Tissue Location   | Expressed at high levels in adult heart and at lower levels in brain, testis, ovary and skeletal muscle. Up-regulated in some breast cancer cell lines. Isoform 1 and isoform 3 are expressed in fetal brain.                                                                             |



Western blot analysis of BCA3 expression in Jurkat (A), mouse spleen (B), rat spleen (C) whole cell lysates. (Predicted band size: 23 kD; Observed band size: 23 kD)



Immunohistochemical analysis of BCA3 staining in human breast cancer 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.



Immunohistochemical analysis of BCA3 staining in human breast cancer 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.