

Datasheet for ABIN388948  
**anti-BAP1 antibody (AA 36-66)**

7 Images

1 Publication

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## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 400 µL   |
| Target:              | BAP1   |
| Binding Specificity: | AA 36-66   |
| Reactivity:          | Human, Rat, Mouse  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This BAP1 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS) |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | This BAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 36-66 amino acids of human BAP1. |
| Clone:                | RB4559-4560   |
| Isotype:              | IgG   |
| Predicted Reactivity: | B, Zf   |
| Purification:         | This antibody is purified through a protein A column, followed by peptide affinity purification.  |

## Target Details

|         |      |
|---------|------|
| Target: | BAP1 |
|---------|------|

## Target Details

|                   |   |
|-------------------|---|
| Alternative Name: | BAP1 ( <a href="#">BAP1 Products</a> )  |
| Background:       | 'BRCA1-associated protein-1,' or BAP1 interacts with the RING finger domain of BRCA1. The N-terminal 240 amino acids of the predicted 729-amino acid human protein show homology to ubiquitin C-terminal hydrolases (UCHs), thiol proteases that catalyze proteolytic processing of ubiquitin. In addition, BAP1 contains an acidic region, a highly charged C-terminal region, and 2 putative nuclear localization signals.. BAP1 and BRCA1 associate in vivo and have overlapping subnuclear localization patterns.1 BAP1 enhances BRCA1-mediated inhibition of breast cancer cell growth. Northern blot analysis indicates that BAP1 is expressed as a 4-kb mRNA in all human tissues tested, with A 4.8-kb transcript expressed exclusively in testis. Northern blot analysis and in situ hybridization reveal that BAP1 and BRCA1 are coexpressed during murine breast development and remodeling. The BAP1 gene has been mapped to 3p21.3, a region of loss of heterozygosity for breast cancer as well as frequently deleted in lung carcinomas.1 Intragenic homozygous rearrangements and deletions of BAP1 appear in lung carcinoma cell lines. It has been postulated that BAP1 is a tumor suppressor gene that functions in the BRCA1 growth control pathway.1 |
| Molecular Weight: | 80362   |
| NCBI Accession:   | <a href="#">NP_004647</a>   |
| UniProt:          | <a href="#">Q92560</a>  |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | IF: 1:25. WB: 1:2000. WB: 1:1000. IHC-P: 1:100. IHC-P: 1:100. FC: 1:25. IHC: 1:250 |
| Restrictions:      | For Research Use only  |

## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Buffer:            | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.   |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C,-20 °C  |
| Storage Comment:   | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C.                             |

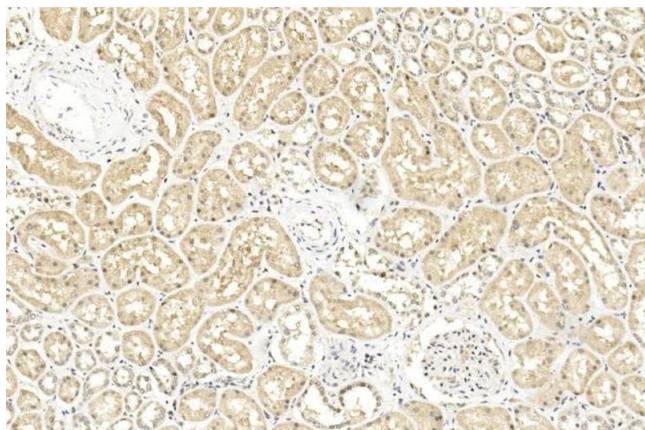
## Handling

Expiry Date: 6 months

## Publications

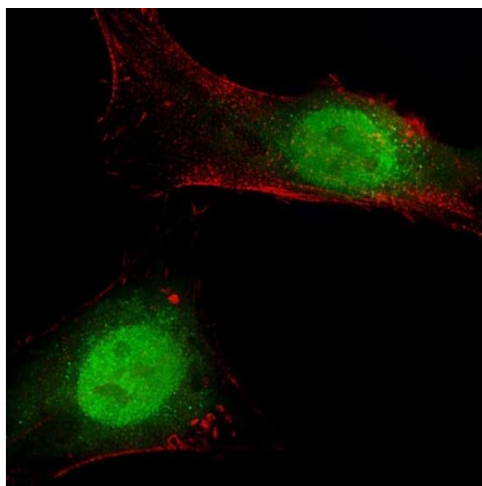
Product cited in: Wang, Wang, Liu, Liu, Tay, Walsh, Yang, Wu: "CRISPR/Cas9 mediated genome editing of *Helicoverpa armigera* with mutations of an ABC transporter gene *HaABCA2* confers resistance to *Bacillus thuringiensis* Cry2A toxins." in: **Insect biochemistry and molecular biology**, Vol. 87, pp. 147-153, (2017) ([PubMed](#)).

## Images



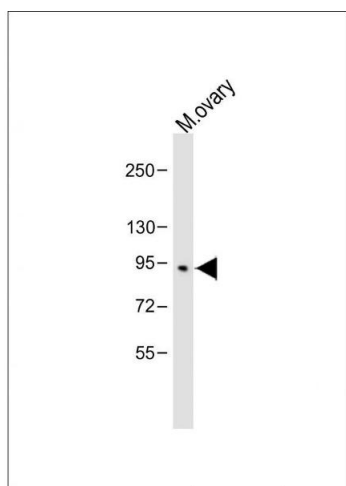
### Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded Human kidney section using Pink1 A. A was diluted at 1:250 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



### Immunofluorescence

**Image 2.** Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized HeLa cells labeling B with (ABIN388948 and ABIN2850433) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-Rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing Nucleus and Weak Cytoplasm staining on HeLa cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin(red). The nuclear counter stain is DAPI (blue).



### Western Blotting

**Image 3.** Anti-B Antibody (N-term) at 1:2000 dilution + Mouse ovary lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 95 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN388948.