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Datasheet for ABIN357594  
**anti-BAP1 antibody (N-Term)**

2 Images

Overview

Quantity:	0.4 mL
Target:	BAP1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human BAP1.
Isotype:	Ig Fraction
Specificity:	This antibody is specific to BAP1 (N-term).
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Target Details

Target:	BAP1
Alternative Name:	BAP1 ( <a href="#">BAP1 Products</a> )

## Target Details

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**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.1Synonyms: BAP-1, BRCA1-associated protein 1, Cerebral protein 6, KIAA0272, Ubiquitin carboxyl-terminal hydrolase BAP1, hucep-6

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**Molecular Weight:** 80361 Da

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**Gene ID:** 8314, 9606

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**UniProt:** [Q92560](#)

## Application Details

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**Application Notes:** ELISA: 1/1,000. Western Blot: 1/100-1/500. Immunohistochemistry: 1/50-1/100.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 0.25 mg/mL

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**Buffer:** PBS with 0.09 % (W/V) Sodium Azide as preservative.

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**Preservative:** Sodium azide

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**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Handling

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

## Images

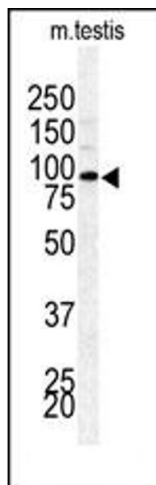
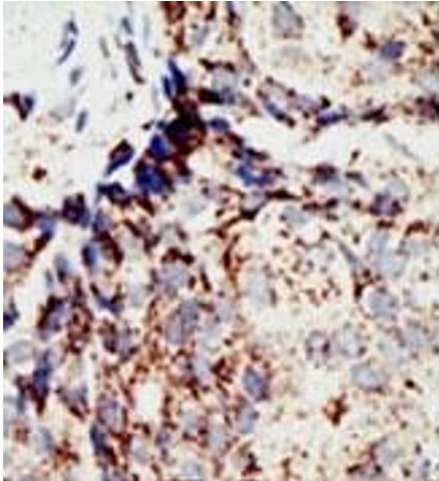


Image 1.

Image 2.