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# anti-BAP1 antibody (AA 36-66)

**Images** 



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Background:

Quantity:	0.4 mL
Target:	BAP1
Binding Specificity:	AA 36-66
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)
Product Details	
Immunogen:	A portion of amino acids 36-66 from the human protein was used as the immunogen for this
	BAP1 antibody.
Isotype:	lg Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rat, Bovine, Zebrafish
Purification:	Purified
Target Details	
Target:	BAP1
Alternative Name:	BAP1 (BAP1 Products)

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

UniProt:

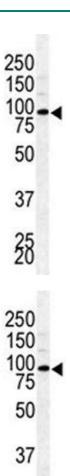
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#### **Application Details**

Application Notes:	Titration of the BAP1 antibody may be required due to differences in protocols and
	secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100
Restrictions:	For Research Use only

#### Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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:	-20 °C
Storage Comment:	Aliquot the BAP1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

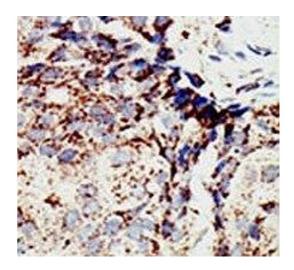


# **Western Blotting**

**Image 1.** Western blot analysis of BAP1 antibody and mouse testis lysate

# **Western Blotting**

**Image 2.** Western blot analysis of BAP1 antibody and mouse testis lysate



# **Immunohistochemistry**

**Image 3.** IHC analysis of FFPE human breast carcinoma tissue stained with the BAP1 antibody