

Rabbit anti-Human BAP1 Polyclonal Antibody | anti-BAP1 antibody

Phospho-BAP1 (Ser592) Antibody

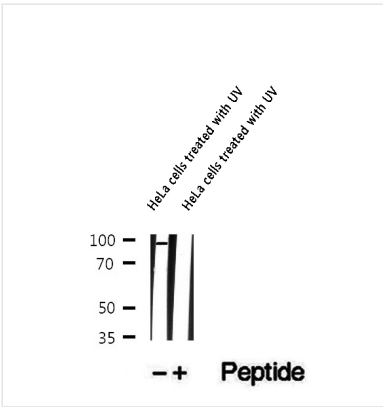
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321305	Rabbit	Human	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

BAP1; Polyclonal Antibody; Phospho-BAP1 (Ser592) Antibody; BAP 1; Bap1; BAP1_HUMAN; BRCA 1 associated protein 1; BRCA1 associated protein 1; BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase); BRCA1-associated protein 1; Cerebral protein 13; Cerebral protein 6; DKFZp686N04275; FLJ35406; FLJ37180; HUCEP 13; Hucep 6; HUCEP13; Hucep6; KIAA0272; TPDS; Ubiquitin carboxy terminal hydrolase; Ubiquitin carboxyl terminal hydrolase BAP 1; Ubiquitin carboxyl terminal hydrolase BAP1; Ubiquitin carboxyl-terminal hydrolase BAP1; UCHL2; anti-BAP1 antibody

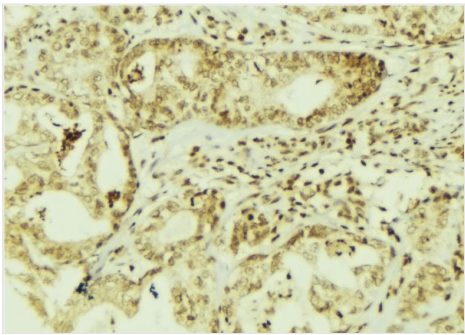
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-BAP1 (Ser592) antibody detects endogenous levels of BAP1.
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	729
Applicable Applications for anti-BAP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BAP1 around the phosphorylation site of Ser592.
Subcellular Location	Cytoplasm. Nucleus. Mainly nuclear. Binds to chromatin.
Tissue Specificity	Highly expressed in testis, placenta and ovary. Expressed in breast.
Predicted Cross Reactivity	Bovine, Horse, Sheep
Similarity	Bovine (83%), Horse (80%), Sheep (83%)
Conjugation	Unconjugated
Epitope	Phospho Ser592
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)

Western blot analysis of extracts of HeLa cells treated with UV, using Phospho-BAP1 (Ser592) Antibody.



IHC (Immunohistochemistry)

AAA321305 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-BAP1 antibody

Function: Deubiquitinating enzyme that plays a key role in chromatin by mediating deubiquitination of histone H2A and HCFC1. Catalytic component of the PR-DUB complex, a complex that specifically mediates deubiquitination of histone H2A monoubiquitinated at 'Lys-119' (H2AK119ub1). Does not deubiquitinate monoubiquitinated histone H2B. Acts as a regulator of cell growth by mediating deubiquitination of HCFC1 N-terminal and C-terminal chains, with some specificity toward 'Lys-48'-linked polyubiquitin chains compared to 'Lys-63'-linked polyubiquitin chains. Deubiquitination of HCFC1 does not lead to increase stability of HCFC1. Interferes with the BRCA1 and BARD1 heterodimer activity by inhibiting their ability to mediate ubiquitination and autoubiquitination. It however does not mediate deubiquitination of BRCA1 and BARD1. Able to mediate autodeubiquitination via intramolecular interactions to counteract monoubiquitination at the nuclear localization signal (NLS), thereby protecting it from cytoplasmic sequestration (PubMed:24703950). Acts as a tumor suppressor.

Subunit Structure: Component of the PR-DUB complex, at least composed of BAP1 and ASXL1. Interacts with BRCA1 (via the RING finger). Interacts (via HBM-like motif) with HCFC1.

Post-translational Modifications: Ubiquitinated: monoubiquitinated at multiple site of its nuclear localization signal (NLS) BY UBE2O, leading to cytoplasmic retention. Able to mediate autodeubiquitination via intramolecular interactions to counteract cytoplasmic retention.

Similarity: Belongs to the peptidase C12 family. BAP1 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757836
NCBI GeneID	8314
NCBI Accession #	NP_004647.1
NCBI GenBank Nucleotide #	NM_004656.3
UniProt Accession #	Q92560; Q6LEM0; Q7Z5E8; A8K993
Molecular Weight	Observed: 95 kDa Predicted: 81 kDa
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase BAP1
NCBI Official Synonym Full Names	BRCA1 associated protein 1
NCBI Official Symbol	BAP1
NCBI Official Synonym Symbols	UCLH2; hucep-6; HUCEP-13
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase BAP1
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase BAP1

UniProt Gene Name	BAP1
UniProt Synonym Gene Names	KIAA0272

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bap1-antibody-immunohistochemistry-western-blot-elisa/321305>