Anti-BAP1 antibody

Description	Unconjugated Rabbit polyclonal to BAP1

Model	STJ191583
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human BAP1 protein.
Immunogen Region	150-230aa
Gene ID	8314
Gene Symbol	BAP1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	BAP1 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Highly expressed in testis, placenta and ovary. Expressed in breast.
Purification	BAP1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ubiquitin carboxyl-terminal hydrolase BAP1 BRCA1-associated protein 1 Cerebral protein 6
Molecular Weight	80 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:950OMIM:156240
Alternative Names	Ubiquitin carboxyl-terminal hydrolase BAP1 BRCA1-associated protein 1 Cerebral protein 6
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 couteract monoubiquitination at the nuclear localization signal (NLS), thereby protecting it from cytoplasmic sequestration . Acts as a tumor suppressor.
Cellular Localization	Cytoplasm Nucleus. Mainly nuclear. Binds to chromatin. Localizes to the cytoplasm when monoubiquitinated by the E2/E3 hybrid ubiquitin-protein ligase UBE2O .
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 couteract cytoplasmic retention.