

PHH3
Rabbit Polyclonal Antibody (Mab)
Catalog # APA553**Specification**

PHH3 - Product Information

Application	IHC
Primary Accession	Q92560
Host	Rabbit
Clonality	Polyclonal
Calculated MW	80362 Da

PHH3 - Additional Information

Gene ID	8314
Gene Name	BAP1 {ECO:0000303 PubMed:9528852, ECO:0000312 HGNC:HGNC:950}

Other Names

Ubiquitin carboxyl-terminal hydrolase BAP1, 3.4.19.12, BRCA1-associated protein 1, Cerebral protein 6 {ECO:0000303|Ref.2}, BAP1 {ECO:0000303|PubMed:9528852, ECO:0000312|HGNC:HGNC:950}

Dilution

IHC~~1:100~500

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PHH3 is for research use only and not for use in diagnostic or therapeutic procedures.

PHH3 - Protein Information

Name BAP1 {ECO:0000303|PubMed:9528852, ECO:0000312|HGNC:HGNC:950}

Function

Deubiquitinating enzyme that plays a key role in chromatin by mediating deubiquitination of histone H2A and HCFC1 (PubMed:[12485996](#), PubMed:[18757409](#), PubMed:[20436459](#), PubMed:[25451922](#)). Catalytic component of the PR-DUB complex, a complex that specifically mediates deubiquitination of histone H2A monoubiquitinated at 'Lys-119' (H2AK119ub1) (PubMed:[20436459](#), PubMed:[25451922](#)). Does not deubiquitinate monoubiquitinated histone

Cellular Location

Tissue Location

H2B (PubMed:[20436459](#)). 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 (PubMed:[19188440](#), PubMed:[19815555](#)). Deubiquitination of HCFC1 does not lead to increase stability of HCFC1 (PubMed:[19188440](#), PubMed:[19815555](#)). Interferes with the BRCA1 and BARD1 heterodimer activity by inhibiting their ability to mediate ubiquitination and autoubiquitination (PubMed:[19117993](#)). It however does not mediate deubiquitination of BRCA1 and BARD1 (PubMed:[19117993](#)). 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 (PubMed:[9528852](#)). Cytoplasm. Nucleus. Note=Mainly nuclear. Binds to chromatin Localizes to the cytoplasm when monoubiquitinated by the E2/E3 hybrid ubiquitin-protein ligase UBE2O (PubMed:[24703950](#)) Highly expressed in testis, placenta and ovary. Expressed in breast.

PHH3 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PHH3 - Images