

BAP1 (Phospho Ser592) rabbit pAb

Catalog No :	YP1272
Reactivity :	Human;Rat;Mouse;
Applications :	WB
Target :	BAP1
Gene Name :	BAP1 KIAA0272 hucep-6
Protein Name :	BAP1 (Ser592)
Human Gene Id :	8314
Human Swiss Prot No :	Q92560
Mouse Gene Id :	104416
Mouse Swiss Prot No :	Q99PU7
Rat Gene Id :	306257
Rat Swiss Prot No :	D3ZHS6
Immunogen :	Synthesized phosho peptide around human BAP1 (Ser592)
Specificity :	This antibody detects endogenous levels of Human BAP1 (phospho-Ser592)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	80kD
Background :	<p>This gene belongs to the ubiquitin C-terminal hydrolase subfamily of deubiquitinating enzymes that are involved in the removal of ubiquitin from proteins. The encoded enzyme binds to the breast cancer type 1 susceptibility protein (BRCA1) via the RING finger domain of the latter and acts as a tumor suppressor. In addition, the enzyme may be involved in regulation of transcription, regulation of cell cycle and growth, response to DNA damage and chromatin dynamics. Germline mutations in this gene may be associated with tumor predisposition syndrome (TPDS), which involves increased risk of cancers including malignant mesothelioma, uveal melanoma and cutaneous melanoma. [provided by RefSeq, May 2013],</p>
Function :	<p>catalytic activity:Thiol-dependent hydrolysis of ester, thioester, amide, peptide and isopeptide bonds formed by the C-terminal Gly of ubiquitin (a 76-residue protein attached to proteins as an intracellular targeting signal).,disease:Defects in BAP1 are found in non-small cell lung cancer (NSCLC) cell lines.,disease:Tumor-associated antigen found in several childhood medulloblastoma.,function:Deubiquitinating enzyme which may be involved in BRCA1 signal transduction pathway.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the peptidase C12 family.,subunit:Interacts with the RING finger domain of BRCA1.,tissue specificity:Highly expressed in testis, placenta and ovary. Expressed in breast.,</p>
Subcellular Location :	<p>Cytoplasm . Nucleus . Mainly nuclear. Binds to chromatin. Localizes to the cytoplasm when monoubiquitinated by the E2/E3 hybrid ubiquitin-protein ligase UBE2O (PubMed:24703950). .</p>
Expression :	<p>Highly expressed in testis, placenta and ovary. Expressed in breast.</p>

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