

# Immunotag™ Phospho-BAP1 (Ser592) Antibody

| Antibody Specification |                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITA0649                                                                                                                                                            |
| Product Description    | Immunotag™ Phospho-BAP1 (Ser592) Antibody                                                                                                                          |
| Size                   | 100 µg, 200 µg                                                                                                                                                     |
| Conjugation            | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647                                      |
| IMPORTANT NOTE         | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return. |
| Target Protein         | Phospho-BAP1 (Ser592)                                                                                                                                              |
| Clonality              | Polyclonal                                                                                                                                                         |
| Storage/Stability      | -20°C/1 year                                                                                                                                                       |
| Application            | WB,IHC                                                                                                                                                             |
| Recommended Dilution   | WB 1:500-1:2000, IHC 1:50-1:200                                                                                                                                    |
| Concentration          | 1 mg/ml                                                                                                                                                            |
| Reactive Species       | Human                                                                                                                                                              |
| Host Species           | Rabbit                                                                                                                                                             |
| Immunogen              | A synthesized peptide derived from human BAP1 around the phosphorylation site of Ser592.                                                                           |
| Specificity            | Phospho-BAP1 (Ser592) Antibody detects endogenous levels of BAP1.                                                                                                  |
| Purification           | The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.            |
| Form                   | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt        |
| Gene Name              | BAP1                                                                                                                                                               |
| Accession No.          | Q92560                                                                                                                                                             |

## Antibody Specification

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| Alternate Names           | 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;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Description               | 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. |
| Cell Pathway/<br>Category | Primary Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Protein MW                | 95kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Usage                     | For Research Use Only! Not for diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |