# UIMC1 Monoclonal Antibody

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| **Catalog No** | YP-mAb-06351 |
| **Isotype** | IgG |
| **Reactivity** | Human;Rat;Mouse |
| **Applications** | WB |
| **Gene Name** | UIMC1 RAP80 RXRIP110 |
| **Protein Name** | BRCA1-A complex subunit RAP80 (Receptor-associated protein 80) (Retinoid X receptor-interacting protein 110) (Ubiquitin interaction motif-containing protein 1) |
| **Immunogen** | Synthesized peptide derived from part region of human protein |
| **Specificity** | UIMC1 Monoclonal Antibody detects endogenous levels of protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| **Source** | Monoclonal, Mouse,IgG |
| **Purification** | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | WB 1:500-1:2000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | |
| **Observed Band** | 79kD |
| **Cell Pathway** | Nucleus . Localizes at sites of DNA damage at double-strand breaks (DSBs). |
| **Tissue Specificity** | Expressed in testis, ovary, thymus and heart. Expressed in germ cells of the testis. |
| **Function** | domain:The Abraxas-interacting region (AIR) mediates the interaction with FAM175A/Abraxas.,domain:The UIM-linker region between the 2 UIM repeats determines the selectivity for 'Lys-63'-linked ubiquitin. The length of the linker is important. The linker reduces the flexibility between the UIM repeats and promotes high-affinity and linkage-selective interactions.,function:Ubiquitin-binding protein that specifically recognizes and binds 'Lys-63'-linked ubiquitin. Plays a central role in the BRCA1-A complex by specifically binding 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesions sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at double-strand breaks (DSBs). The BRCA1-A complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX. Also weakly binds monoubiquitin but with much less aff |
| **Background** | ubiquitin interaction motif containing 1(UIMC1) Homo sapiens This gene encodes a nuclear protein that interacts with Brca1 (breast cancer 1) in a complex to recognize and repair DNA lesions. This protein binds ubiquitinated lysine 63 of |

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| | histone H2A and H2AX. This protein may also function as a repressor of transcription. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015], |
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

## Products Images