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UIMC1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20602c

Specification

UIMC1 Antibody (C-term) - Product Information

Application	**WB, FC,E**
Primary Accession	Q96RL1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**79727**

UIMC1 Antibody (C-term) - Additional Information

Gene ID 51720

Other Names
BRCA1-A complex subunit RAP80, Receptor-associated protein 80, Retinoid X receptor-interacting protein 110, Ubiquitin interaction motif-containing protein 1, UIMC1, RAP80, RXRIP110

Target/Specificity
This UIMC1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 567-601 amino acids from the C-terminal region of human UIMC1.

Dilution
WB~~1:1000
FC~~1:25

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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
UIMC1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

UIMC1 Antibody (C-term) - Protein Information

Name UIMC1

Synonyms RAP80, RXRIP110

Function Ubiquitin-binding protein (PubMed:24627472). Specifically recognizes and binds 'Lys-63'-linked ubiquitin (PubMed:19328070, Ref.38). 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 affinity than 'Lys-63'-linked ubiquitin. May interact with monoubiquitinated histones H2A and H2B; the relevance of such results is however unclear in vivo. Does not bind Lys-48'-linked ubiquitin. May indirectly act as a transcriptional repressor by inhibiting the interaction of NR6A1 with the corepressor NCOR1.

Cellular Location
Nucleus. Note=Localizes at sites of DNA damage at double-strand breaks (DSBs)

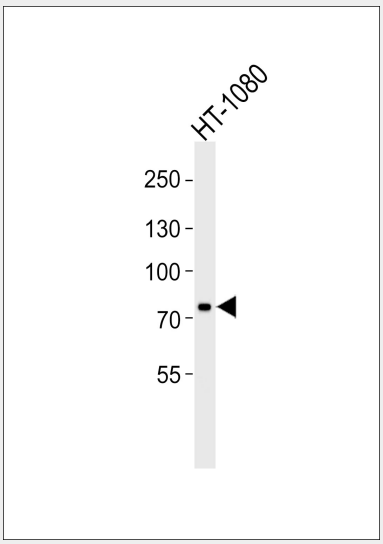
Tissue Location
Expressed in testis, ovary, thymus and heart. Expressed in germ cells of the testis.

UIMC1 Antibody (C-term) - Protocols

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

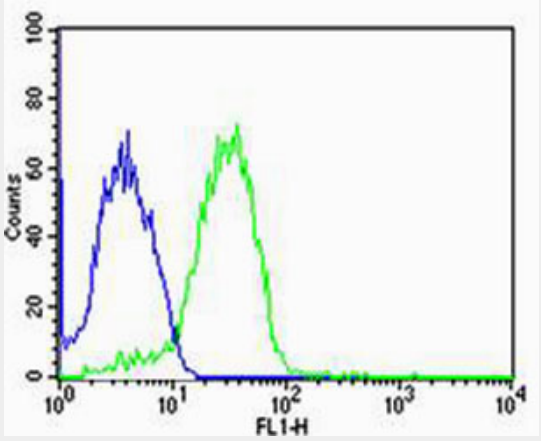
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

UIMC1 Antibody (C-term) - Images



Western blot analysis of lysate from HT-1080 cell line, using UIMC1 Antibody (C-term)(Cat. # AP20602c). AP20602c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

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Flow cytometric analysis of MCF-7 cells using UIMC1 Antibody (C-term)(green, Cat#AP20602c) compared to an isotype control of rabbit IgG(blue). AP20602c was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody.

UIMC1 Antibody (C-term) - Background

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 affinity than 'Lys-63'-linked ubiquitin. May interact with monoubiquitinated histones H2A and H2B; the relevance of such results is however unclear in vivo. Does not bind Lys-48'-linked ubiquitin. May indirectly act as a transcriptional repressor by inhibiting the interaction of NR6A1 with the corepressor NCOR1.

UIMC1 Antibody (C-term) - References

Yan Z.,et al.J. Biol. Chem. 277:32379-32388(2002).
Peng Y.,et al.Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.
Xu X.,et al.Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).