



UIMC1 Polyclonal Antibody

Catalog No	YP-Ab-06351
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	UIMC1 RAP80 RXRIP110
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	UIMC1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BRCA1-A complex subunit RAP80;RAP80;Receptor-associated protein 80; Retinoid X receptor-interacting protein 110;RXRIP110;UIMC1;UIMC1 RAP80 RXRIP110;BRCA1-A complex subunit RAP80 (Receptor-associated protein 80) (Retinoid X receptor-interacting protein 110) (Ubiquitin interaction motif-containing protein 1)
Observed Band	97 kDa, 80 kDa, 71-75 kDa, 61 kDa
Calculated Molecular Weight	719 aa, 80 kDa
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 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