

Datasheet for ABIN7145750
anti-UIMC1 antibody (AA 161-235)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	UIMC1
Binding Specificity:	AA 161-235
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UIMC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human BRCA1-A complex subunit RAP80 protein (161-235AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	UIMC1
Alternative Name:	UIMC1 (UIMC1 Products)
Background:	Background: Ubiquitin-binding protein (PubMed:24627472). Specifically recognizes and binds \\Lys-63\\-linked ubiquitin (PubMed:19328070, Ref.36). Plays a central role in the BRCA1-A

Target Details

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.

Aliases: BRCA1-A complex subunit RAP80 antibody, Nuclear zinc finger protein RAP80 antibody, OTTHUMP00000161441 antibody, OTTHUMP00000223372 antibody, OTTHUMP00000223374 antibody, RAP80 antibody, Receptor associated protein 80 antibody, Receptor-associated protein 80 antibody, Retinoid X receptor interacting protein 110 antibody, Retinoid x receptor interacting protein antibody, Retinoid X receptor-interacting protein 110 antibody, RIP110 antibody, Rxrip110 antibody, Ubiquitin interaction motif containing 1 antibody, Ubiquitin interaction motif containing protein 1 antibody, Ubiquitin interaction motif-containing protein 1 antibody, UIMC1 antibody, UIMC1_HUMAN antibody, X2HRIP110 antibody

UniProt: [Q96RL1](#)

Pathways: [DNA Damage Repair](#), [Nuclear Hormone Receptor Binding](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:500-1:1000,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

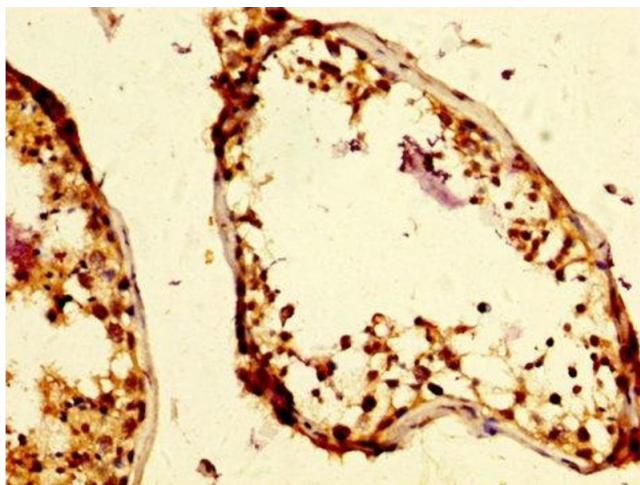
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

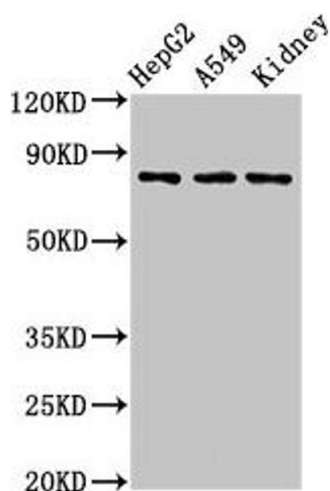
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. IHC image of ABIN7145750 diluted at 1:500 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HepG2 whole cell lysate, A549 whole cell lysate, Rat kidney tissue. All lanes: UIMC1 antibody at 3 µg/mL. Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 80, 62, 71, 39, 18 kDa. Observed band size: 80 kDa.