

Rabbit anti-Human, Mouse RAP80 Polyclonal Antibody | anti-UIMC1 antibody

RAP80 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39468	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

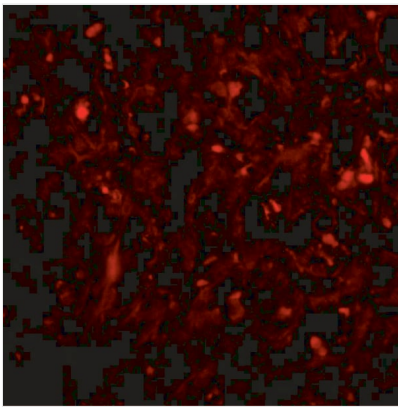
PRODUCT SYNONYMS

RAP80; Polyclonal Antibody; RAP80 Antibody; X2HRIP110; RXRIP110; BRCA1-A complex subunit RAP80; Receptor-associated protein 80; ubiquitin interaction motif containing 1; anti-UIMC1 antibody

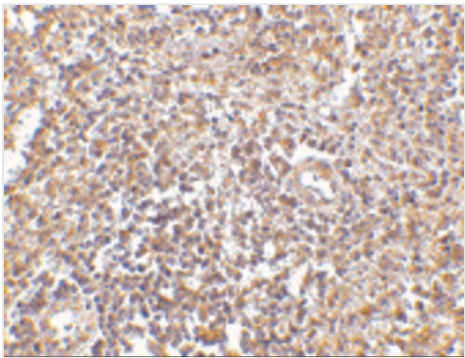
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	RAP80 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	719
Applicable Applications for anti-UIMC1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	RAP80 antibody was raised against a 17 amino acid synthetic peptide from near the amino terminus of human RAP80.
Buffer	RAP80 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	RAP80 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

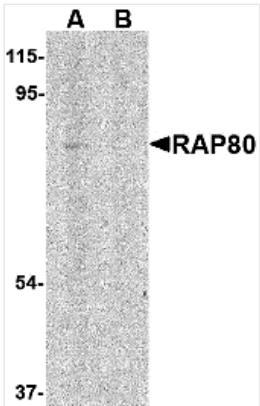
IMAGES



IF (Immunofluorescence)
Immunofluorescence of RAP80 in human spleen tissue with RAP80 antibody at 20 µg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of RAP80 in human spleen tissue with RAP80 antibody at 2.5 µg/mL.



WB (Western Blot)
Western blot analysis of RAP80 in 293 cell lysate in (A) the absence and (B) presence of blocking peptide with RAP80 antibody at 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-UIMC1 antibody	RAP80 Antibody: RAP80 was initially identified as zinc-finger containing nuclear protein that is highly expressed in testis and interacts with the retinoid-related testis-associated receptor (RTR). Later experiments revealed that RAP80 is recruited by the Coiled-coil domain 98 (CCDC98) protein to the breast cancer-1 protein BRCA1, allowing the formation of BRCA1 foci in response to DNA damage caused by ionizing radiation. Both RAP80 and CCDC98 are required for DNA damage resistance, G2-M checkpoint control, and DNA repair. Cells depleted of either RAP80 or CCDC98 exhibited increased sensitivity to ionizing radiation, although not as much as in BRCA1-depleted cells, suggesting that RAP80 and CCDC98 control only part of the DNA damage response role of BRCA1. At least four isoforms of RAP80 are known to exist.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119605449
NCBI GeneID	51720
UniProt Accession #	Q96RL1; Q5XKQ1; Q7Z3W7; Q8N5B9; Q9BZR1; Q9BZR5; Q9UHX7; A8MSA1; B3KMZ1; B4E3N2
Molecular Weight	17,412 Da
NCBI Official Full Name	receptor associated protein 80, isoform CRA_c
NCBI Official Synonym Full Names	ubiquitin interaction motif containing 1
NCBI Official Symbol	UIMC1

NCBI Official Synonym Symbols	RAP80; X2HRIP110
NCBI Protein Information	BRCA1-A complex subunit RAP80; receptor associated protein 80; receptor-associated protein 80; retinoid x receptor interacting protein; retinoid X receptor-interacting protein 110; ubiquitin interaction motif-containing protein 1
UniProt Protein Name	BRCA1-A complex subunit RAP80
UniProt Gene Name	UIMC1
UniProt Synonym Gene Names	RAP80; RXRIP110
UniProt Entry Name	UIMC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rap80-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39468>