

Datasheet for ABIN500569

anti-UIMC1 antibody (N-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	UIMC1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UIMC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	RAP80 antibody was raised against a 17 amino acid peptide from near the amino terminus of human RAP80.
Isotype:	IgG
Specificity:	This antibody detects UIMC1 / RAP80 at N-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	UIMC1
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Target Details

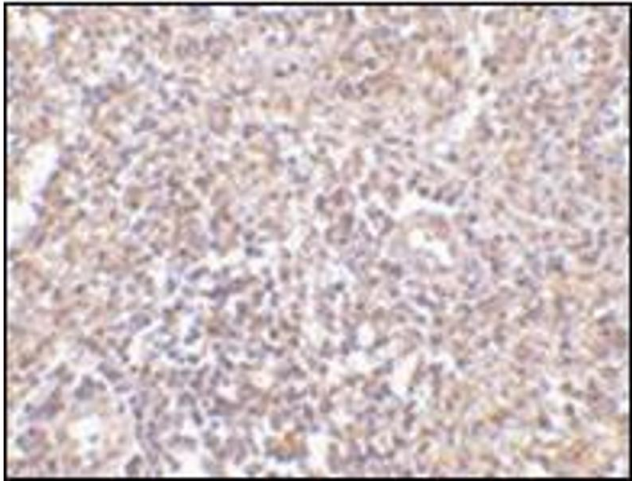
Alternative Name:	UIMC1 / RAP80 (UIMC1 Products)
Background:	<p>RAP80 was initially identified as zinc-finger containing nuclear protein that is highly expressed in testis and interacts with the retinoid-related testis-associated receptor (RTR). Later experiments revealed that RAP80 is recruited by the 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. Synonyms: BRCA1-A complex subunit RAP80, RXRIP110, Receptor-associated protein 80, Retinoid X receptor-interacting protein 110, Ubiquitin interaction motif-containing protein 1</p>
Gene ID:	51720
UniProt:	Q96RL1
Pathways:	DNA Damage Repair , Nuclear Hormone Receptor Binding , Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	<p>ELISA: Western blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

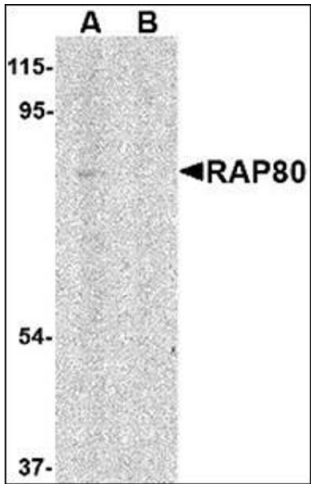
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of RAP80 in human spleen tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of RAP80 in 293 cell lysate in (A) the absence and (B) presence of blocking peptide with this product at 1 µg/ml.