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Datasheet for ABIN6990793

anti-UIMC1 antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	UIMC1
Binding Specificity:	AA 30-80, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UIMC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	RAP80 antibody was raised against a 17 amino acid synthetic peptide from near the amino terminus of human RAP80. The immunogen is located within amino acids 30 - 80 of RAP80.
Isotype:	IgG
Purification:	RAP80 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	UIMC1
Alternative Name:	RAP80 (UIMC1 Products)
Background:	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

Target Details

(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.

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: RAP80 antibody can be used for detection of RAP80 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: RAP80 Antibody is supplied in 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.

Storage: -20 °C, 4 °C

Storage Comment: RAP80 antibody can be stored at 4°C for three months and -20°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.