BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-RAP80 UIMC1 Antibody

Catalog Number: A06262

About UIMC1

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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Overview

Product Name	Anti-RAP80 UIMC1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-RAP80 UIMC1 Antibody (Catalog # A06262). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	RAP80 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	RAP80 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96RL1

Technical Details

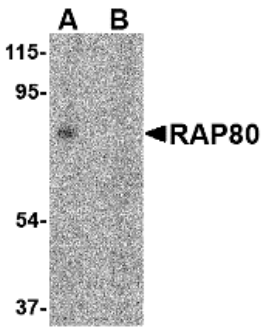
Immunogen	RAP80 antibody was raised against a 17 amino acid synthetic peptide from near the carboxy terminus of human RAP80. The immunogen is located within amino acids 520 - 570 of RAP80.
Predicted Reactive Species	Pig

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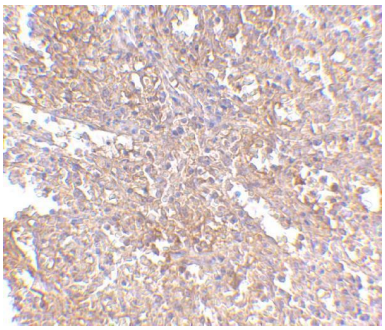
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	RAP80 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	RAP80 antibody can be used for detection of RAP80 by Western blot at 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/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. Optimal dilutions for each application should be determined by the researcher.

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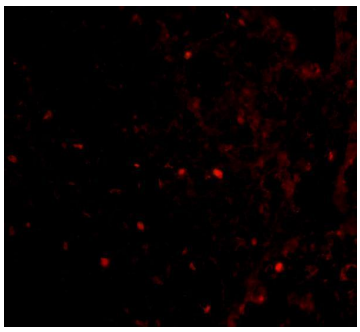
Anti-RAP80 UIMC1 Antibody (A06262) Images



Western blot analysis of RAP80 in 293 cell lysate in (A) the absence and (B) presence of blocking peptide with RAP80 antibody at 2 ug/mL.



Immunohistochemistry of RAP80 in human spleen tissue with RAP80 antibody at 2.5 ug/mL.



Immunofluorescence of RAP80 in Human Spleen cells with RAP80 antibody at 20 ug/mL.

Anti-RAP80 UIMC1 Antibody

For Research Use Only. Not for use in diagnostic procedures.