

RAP80 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2996a

Specification

RAP80 Antibody (internal region) - Product Information

Application	E
Primary Accession	O96RL1
Other Accession	NP_057374.3 , 51720 , 20184 (mouse) , 290997 (rat)
Predicted Host	Human, Mouse, Rat, Pig, Dog
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	79727

RAP80 Antibody (internal region) - Additional Information

Gene ID 51720

Other Names

BRCA1-A complex subunit RAP80, Receptor-associated protein 80, Retinoid X receptor-interacting protein 110, Ubiquitin interaction motif-containing protein 1, UIMC1, RAP80, RXRIP110

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RAP80 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

RAP80 Antibody (internal region) - Protein Information

Name UIMC1

Synonyms RAP80, RXRIP110

Function

Ubiquitin-binding protein (PubMed:24627472). Specifically recognizes and binds 'Lys-63'-linked ubiquitin (PubMed:19328070, Ref.38). Plays a central role in the BRCA1-A 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.

Cellular Location

Nucleus. Note=Localizes at sites of DNA damage at double-strand breaks (DSBs)

Tissue Location

Expressed in testis, ovary, thymus and heart. Expressed in germ cells of the testis.

RAP80 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RAP80 Antibody (internal region) - Images**RAP80 Antibody (internal region) - References**

Familial breast cancer screening reveals an alteration in the RAP80 UIM domain that impairs DNA damage response function. Nikkilä J, Coleman KA, Morrissey D, Pylkäs K, Erkkö H, Messick TE, Karppinen SM, Amelina A, Winqvist R, Greenberg RA. *Oncogene* 2009 Apr 28 (16): 1843-52. PMID: 19305427