

RAP80 Rabbit mAb

Catalog # AP76688

Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	Q96RL1
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	79727

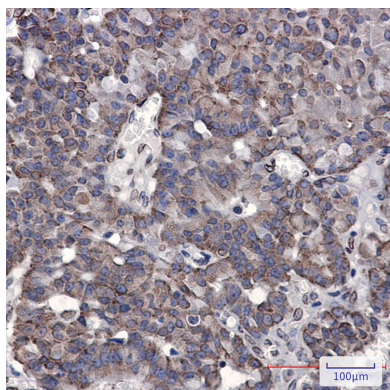
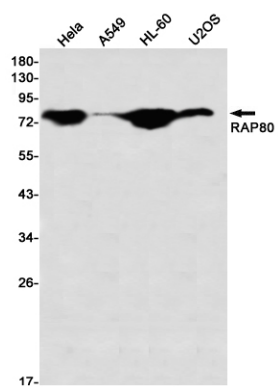
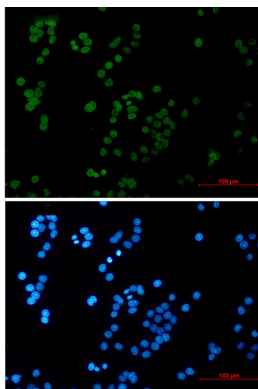
Additional Information

Gene ID	51720
Other Names	UIMC1
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

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.

Images



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