

ARG59955 anti-RAP80 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RAP80
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RAP80
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-230 of Human RAP80 (NP_057374.3).
Conjugation	Un-conjugated
Alternate Names	RAP80; Retinoid X receptor-interacting protein 110; Receptor-associated protein 80; Ubiquitin interaction motif-containing protein 1; X2HRIP110; BRCA1-A complex subunit RAP80

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:100
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

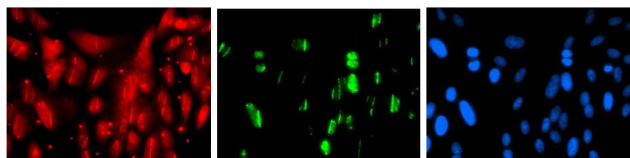
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	UIMC1
Gene Full Name	ubiquitin interaction motif containing 1
Function	Ubiquitin-binding protein that specifically recognizes and binds 'Lys-63'-linked ubiquitin. 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. [UniProt]
Calculated Mw	80 kDa
PTM	Sumoylated. Phosphorylated upon DNA damage by ATM or ATR. [UniProt]
Cellular Localization	Nucleus. Note=Localizes at sites of DNA damage at double-strand breaks (DSBs). [UniProt]

Images



ARG59955 anti-RAP80 antibody ICC/IF image

Immunofluorescence: GFP-RNF168 transgenic U2OS cells stained with ARG59955 anti-RAP80 antibody (Red). Green: GFP-RNF168 fusion protein expression for DNA damage marker. Blue: DAPI for nuclear staining. GFP-RNF168 can be used to mark cells damaged by UV-A laser for they always gather around DNA damage region.