

ARG63564 anti-RNF8 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes RNF8
Tested Reactivity	Hu
Tested Application	FACS, WB
Specificity	This antibody is expected to recognize both reported isoforms (NP_003949.1 and NP_898901.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	RNF8
Species	Human
Immunogen	GEPGFFVTGDRAG-C
Conjugation	Un-conjugated
Alternate Names	E3 ubiquitin-protein ligase RNF8; RING finger protein 8; EC 6.3.2.-; hRNF8

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	WB	0.5 - 2 µg/ml

Application Note WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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 or below. 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

Database links

[GeneID: 9025 Human](#)

[Swiss-port # O76064 Human](#)

Background

The protein encoded by this gene contains a RING finger motif and an FHA domain. This protein has been shown to interact with several class II ubiquitin-conjugating enzymes (E2), including UBE2E1/UBCH6, UBE2E2, and UBE2E3, and may act as an ubiquitin ligase (E3) in the ubiquitination of certain nuclear proteins. This protein is also known to play a role in the DNA damage response and depletion of this protein causes cell growth inhibition and cell cycle arrest. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2012]

Research Area

Cell Biology and Cellular Response antibody; Gene Regulation antibody

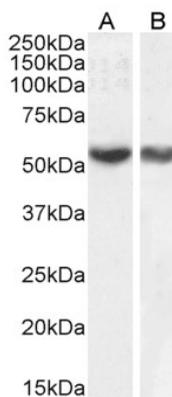
Calculated Mw

56 kDa

PTM

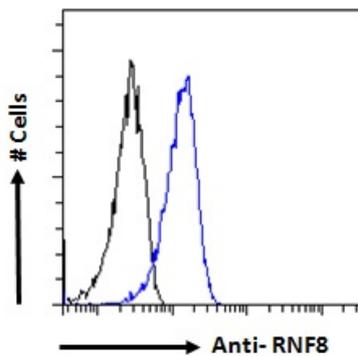
Autoubiquitinated through 'Lys-48' and 'Lys-63' of ubiquitin. 'Lys-63' polyubiquitination is mediated by UBE2N. 'Lys-29'-type polyubiquitination is also observed, but it doesn't require its own functional RING-type zinc finger.

Images



ARG63564 anti-RNF8 antibody WB image

Western blot: 35 μ g of HepG2 (A) and Jurkat (B) nuclear lysates (in RIPA buffer) stained with ARG63564 anti-RNF8 antibody at 1 μ g/ml dilution and incubated at RT for 1 hour.



ARG63564 anti-RNF8 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HeLa cells permeabilized with 0.5% Triton. Cells were stained with ARG63564 anti-RNF8 antibody (blue line) at 10 μ g/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).