

## Anti-RING2 Antibody (1U338)

## Product Details

Ig Type:	IgG
Reactivity:	Human(predicted:Mouse,Rat)
Molecular Weight:	Theoretical: 38 kDa. Actual: 38 kDa.
Clone:	1U338
Purification:	Protein A purified

## Applications

Verified Activity:	The HeLa (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-RING2 antibody (TMAB-12263, 1: 100); Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.
Application:	FCM
Recommended	FCM=1:50-100

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthesized peptide: human RING2
Antigen Species:	Human
Gene ID:	6045
Uniprot ID:	Q99496

## Research Background

Acts as the main E3 ubiquitin ligase on histone H2A of the PRC1 complex, while RING1 may rather act as a modulator of RNF2/RING2 activity (Probable). Association with the chromosomal DNA is cell-cycle dependent. In resting B- and T-lymphocytes, interaction with AURKB leads to block its activity, thereby maintaining transcription in resting lymphocytes. Also acts as a negative regulator of autophagy by mediating ubiquitination of AMBRA1, leading to its subsequent degradation.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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