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Ring1 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1861a

Product Information

Application	WB, ICC, E
Primary Accession	Q06587
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	8E8A2
Isotype	IgG1
Calculated MW	42429 Da
Description	This gene belongs to the RING finger family, members of which encode proteins characterized by a RING domain, a zinc-binding motif related to the zinc finger domain. The gene product can bind DNA and can act as a transcriptional repressor. It is associated with the multimeric polycomb group protein complex. The gene product interacts with the polycomb group proteins BMI1, EDR1, and CBX4, and colocalizes with these proteins in large nuclear domains. It interacts with the CBX4 protein via its glycine-rich C-terminal domain. The gene maps to the HLA class II region, where it is contiguous with the RING finger genes FABGL and HKE4.
Immunogen	Purified recombinant fragment of human Ring1 (AA: 79-263) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Other Names	E3 ubiquitin-protein ligase RING1, 6.3.2.-, Polycomb complex protein RING1, RING finger protein 1, Really interesting new gene 1 protein, RING1, RNF1
Dilution	WB~~1/500 - 1/2000 ICC~~N/A E~~1/10000
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	Ring1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

The protein encoded by this gene plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during ; embryonic development. Acts as surface receptor that triggers tyrosine phosphorylation of FYN and PTK2/FAK1, and a transient increase in the intracellular calcium concentration ;

References

1. Int J Dev Biol. 2009;53(2-3):355-70. 2. PLoS One. 2009 Dec 1;4(12):e8104.

Images

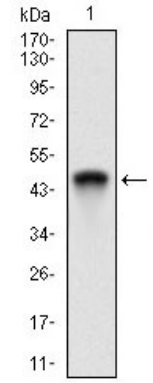


Figure 1: Western blot analysis using Ring1 mAb against human Ring1 recombinant protein. (Expected MW is 44.6 kDa)

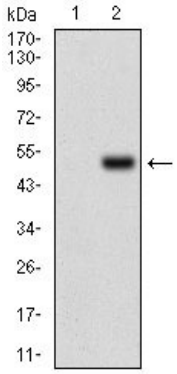


Figure 2: Western blot analysis using Ring1 mAb against HEK293 (1) and Ring1 (AA: 79-263)-hIgGFc transfected HEK293 (2) cell lysate.

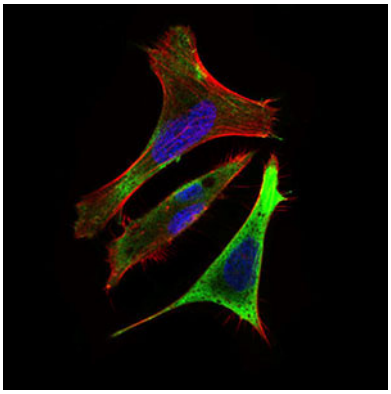
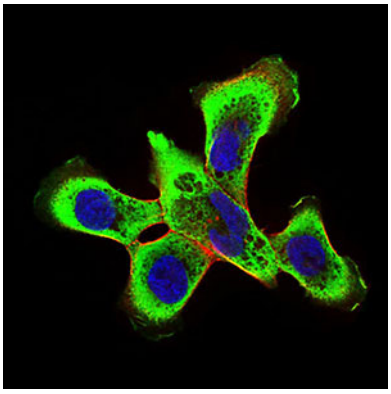


Figure 3: Immunofluorescence analysis of Hela cells using Ring1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Figure 3: Immunofluorescence analysis of A431 cells using Ring1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.