Product Datasheet

Ring1A Antibody

Catalog No: #21629

Package Size: #21629-1 50ul #21629-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

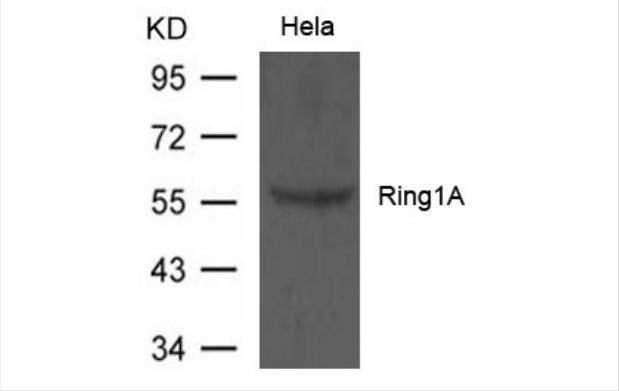
Product Name	Ring1A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Ring1A protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.35~39(I-A-V-S-P) derived from Human Ring1A.
Target Name	Ring1A
Other Names	RNF1; RING1;
Accession No.	Swiss-Prot: Q06587NCBI Protein: NP_002922.2
Uniprot	Q06587
GeneID	6015;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 58kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from Hela cells using Ring1A Antibody #21629

Background

Constitutes one of the E3 ubiquitin-protein ligases that mediate monoubiquitination of 'Lys-119' of histone H2A, thereby playing a central role in histone code and gene regulation. H2A 'Lys-119' ubiquitination gives a specific tag for epigenetic transcriptional repression and participates in X chromosome inactivation of female mammals. Essential component of the Polycomb group (PcG) multiprotein PRC1 complex, a complex required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex act via chromatin remodeling and modification of histones, rendering chromatin heritably changed in its expressibility. Compared to RNF2/RING2, it does not have the main E3 ubiquitin ligase activity on histone H2A, and it may rather act as a modulator of RNF2/RING2 activity.

Cao R., Tsukada Y., Zhang Y.Mol. Cell 20:845-854(2005)

Satijn D.P.E., Gunster M.J., van der Vlag J., Hamer K.M. Mol. Cell. Biol. 17:4105-4113(1997)

Note: This product is for in vitro research use only