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KD-Validated Anti-Ring Finger Protein 40 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1653

Product Information

Application	WB, ICC
Primary Accession	O75150
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB1100
Calculated MW	113678
Gene Name	RNF40
Aliases	Ring Finger Protein 40; RBP95; BRE1B; KIAA0661; STARING; 95 KDa Retinoblastoma-Associated Protein; RING-Type E3 Ubiquitin Transferase BRE1B; E3 Ubiquitin-Protein Ligase BRE1B; BRE1-B; Ring Finger Protein 40, E3 Ubiquitin Protein Ligase; BRE1 E3 Ubiquitin Ligase Homolog B (S. Cerevisiae); 95 KDa Retinoblastoma Protein Binding Protein; BRE1 E3 Ubiquitin Ligase Homolog B; RING Finger Protein 40; Rb-Associated Protein; EC 2.3.2.27; EC 6.3.2
Immunogen	A synthesized peptide derived from human RNF40

Additional Information

Gene ID	9810
Other Names	E3 ubiquitin-protein ligase BRE1B, BRE1-B, 2.3.2.27, 95 kDa retinoblastoma-associated protein, RBP95, RING finger protein 40, RING-type E3 ubiquitin transferase BRE1B, RNF40, BRE1B, KIAA0661

Protein Information

Name	RNF40
Synonyms	BRE1B, KIAA0661
Function	Component of the RNF20/40 E3 ubiquitin-protein ligase complex that mediates monoubiquitination of 'Lys-120' of histone H2B (H2BK120ub1). H2BK120ub1 gives a specific tag for epigenetic transcriptional activation and is also prerequisite for histone H3 'Lys-4' and 'Lys-79' methylation (H3K4me and H3K79me, respectively). It thereby plays a central role in histone code and gene regulation. The RNF20/40 complex forms a H2B ubiquitin ligase complex in cooperation with the E2 enzyme UBE2A or UBE2B; reports about the cooperation with UBE2E1/UBCH are contradictory. Required for transcriptional activation of Hox genes.

Cellular Location	Nucleus.
Tissue Location	Ubiquitously expressed. Expressed at higher level in testis, heart and pancreas, while it is only weakly expressed in lung, skeletal muscle and small intestine