

KD-Validated Anti-Ring Finger Protein 40 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1653**Specification****KD-Validated Anti-Ring Finger Protein 40 Rabbit Monoclonal Antibody - Product Information**

Application	WB, ICC
Primary Accession	075150
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 114 kDa , observed , 130 kDa KDa
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

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

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

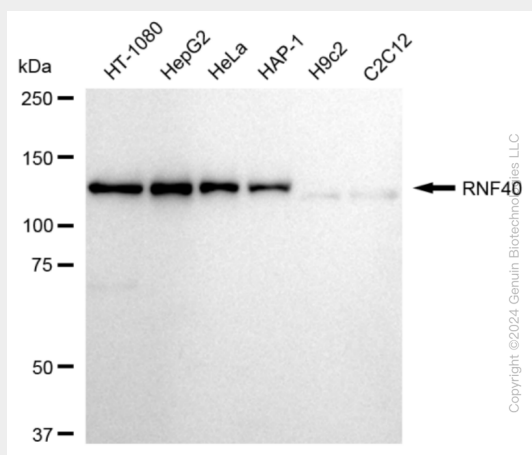
Ubiquitously expressed. Expressed at higher level in testis, heart and pancreas, while it is only weakly expressed in lung, skeletal muscle and small intestine

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

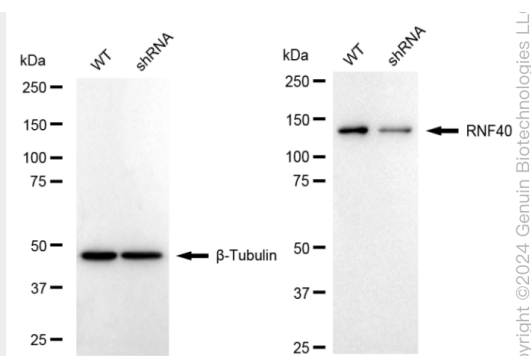
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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

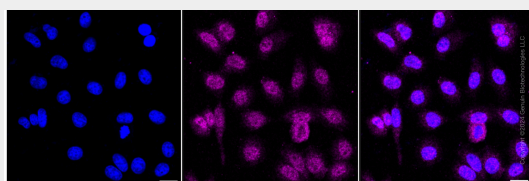


Western blotting analysis using anti-RNF40 antibody (Cat#AGI1653). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-RNF40 antibody (Cat#AGI1653, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Western blotting analysis using anti-RNF40 antibody (Cat#AGI1653). RNF40 expression in wild type (WT) and RNF40 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-RNF40 antibody (Cat#AGI1653, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Immunocytochemical staining of HepG2 cells with anti-RNF40 antibody (Cat#AGI1653, 1:1,000). Nuclei were stained blue with DAPI; RNF40 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.