

RNF40 Rabbit pAb

CatalogNo: YN8104

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 110kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human RNF40

Specificity This antibody detects endogenous levels of RNF40 at Human, Mouse, Rat

Target Information

Gene name RNF40 BRE1B KIAA0661

Protein Name	E3 ubiquitin-protein ligase BRE1B (BRE1-B) (95 kDa retinoblastoma-associated protein) (RBP95) (RING finger protein 40)		
	Organism	Gene ID	UniProt ID
	Human	9810 ;	O75150 ;
	Mouse	233900 ;	Q3U319 ;
	Rat	266712 ;	Q8CJB9 ;
Cellular Localization	Nucleus .		
Tissue specificity	Ubiquitously expressed. Expressed at higher level in testis, heart and pancreas, while it is only weakly expressed in lung, skeletal muscle and small intestine.		
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.		

| Validation Data

| Contact information

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