

RNF40 Antibody

Rabbit mAb

Catalog # AP92108

Product Information

Application	WB, IHC, IP
Primary Accession	O75150
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	BRE 1B; BRE1 B; BRE1B; RBP95; Rnf40; STARING;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	113678

Additional Information

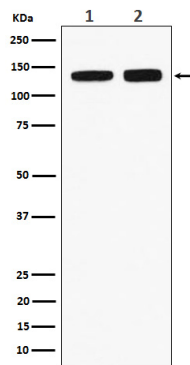
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human RNF40
Description	E3 ubiquitin-protein ligase that mediates monoubiquitination of 'Lys-120' of histone H2B (H2BK120ub1). H2BK120ub1 gives a specific tag for epigenetic transcriptional activation and is also prerequisite for histone H3 'Lys-4' and 'Lys-79' methylation (H3K4me and H3K79me, respectively).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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

Images



Western blot analysis of RNF40 expression in (1) HeLa cell lysate; (2) RAW264.7 cell lysate.

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