

RNF20 Antibody

Catalog_no :	AB3532
Reactivity :	H
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN
Specificity :	This RNF20 antibody is generated from a mouse immunized with a recombinant protein of human RNF20.
Dilution :	WB,1:2000;
Other_name :	E3 ubiquitin-protein ligase BRE1A, BRE1-A, hBRE1, 632-, RING finger protein 20, RNF20, BRE1A
Isotype :	IgG1,k
Background :	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. Recruited to the MDM2 promoter, probably by being recruited by p53/TP53, and thereby acts as a transcriptional coactivator. Mediates the polyubiquitination of isoform 2 of PA2G4 in cancer cells leading to its proteasome-mediated degradation.
reference :	Wu H.,et al.Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Nat. Genet. 36:40-45(2004). Humphray S.J.,et al.Nature 429:369-374(2004). Bechtel S.,et al.BMC Genomics 8:399-399(2007). Zhu B.,et al.Mol. Cell 20:601-611(2005).