

RNF20 Antibody

Rabbit mAb

Catalog # AP90137

Product Information

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|--------------------------|--------------------------------------|
| Application | WB, IF, FC, ICC, IP |
| Primary Accession | Q5VTR2 |
| Reactivity | Human, Mouse |
| Clonality | Monoclonal |
| Other Names | RING finger protein 20; BRE1A;RNF20; |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 113662 |

Additional Information

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|-------------------------------------|--|
| Dilution | WB 1:500~1:2000 ICC/IF 1:50~1:200 IP 1:50 FC 1:50 |
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human RNF20 |
| Description | 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. |
| 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

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| Name | RNF20 |
| Synonyms | BRE1A |
| 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. 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.

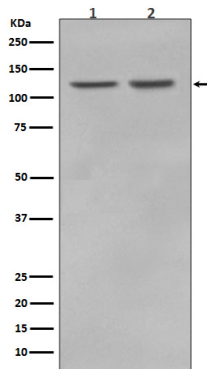
Cellular Location

Nucleus

Tissue Location

Expressed in the normal brain and also in malignant gliomas (at protein level).

Images



Western blot analysis of RNF20 in (1) MCF7 cell lysate; (2) HeLa cell lysate.

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