

RNF20 Antibody

Rabbit mAb Catalog # AP90076

Specification

RNF20 Antibody - Product Information

Application WB, FC, ICC, IP

Primary Accession Q5VTR2
Clonality Monoclonal

Other Names

BRE1-A; hBRE1; RING finger protein 20; E3 ubiquitin-protein ligase BRE1A; RNF20;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 113662 Da

RNF20 Antibody - Additional Information

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

RNF20

Description RNF20 is an E3 ubiquitin ligase protein

that mediates monoubiquitination of histone H2B and the methylation of histone H3. It forms a ubiquitin ligase complex in cooperation with the E2 enzyme UBE2E1/UBCH6. It thereby plays a central role in histone code and gene regulation. It is required for transcriptional activation of

Hox genes.

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.

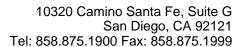
RNF20 Antibody - Protein Information

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 inb 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

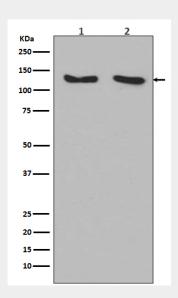
Expressed in the normal brain and also in malignant gliomas (at protein level).

RNF20 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

RNF20 Antibody - Images



Western blot analysis of RNF20 expression in (1) 293 cell lysate; (2) HeLa cell lysate.