

RNF20 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16761**Specification**

RNF20 Antibody (N-Terminus) - Product Information

Application	IHC, IF, WB
Primary Accession	Q5VTR2
Other Accession	56254
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	113662

RNF20 Antibody (N-Terminus) - Additional Information**Gene ID** 56254**Other Names**RNF20, BRE1, BRE1-A, HBRE1, KAIA2779, RING finger protein 20, BRE1A, Homolog of *S. cerevisiae* BRE1**Target/Specificity**

Multiple isoforms of RNF20 are known to exist.

Reconstitution & Storage

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

RNF20 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF20 Antibody (N-Terminus) - 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 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

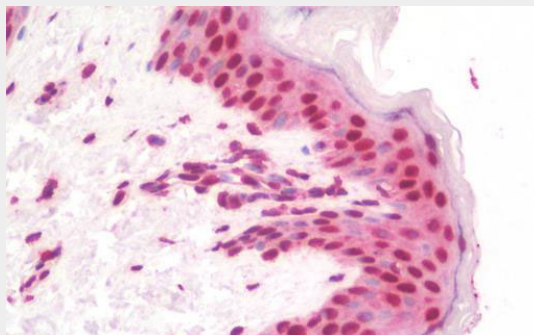
Tissue Location

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

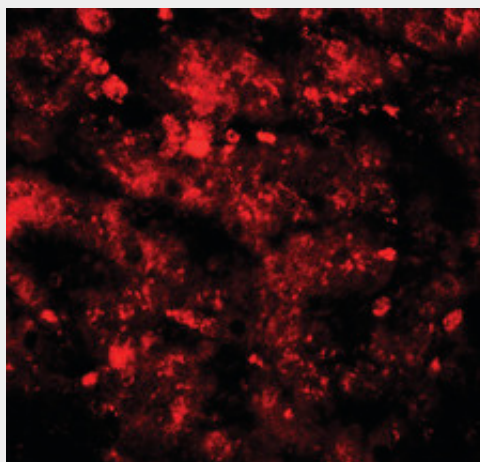
RNF20 Antibody (N-Terminus) - Protocols

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

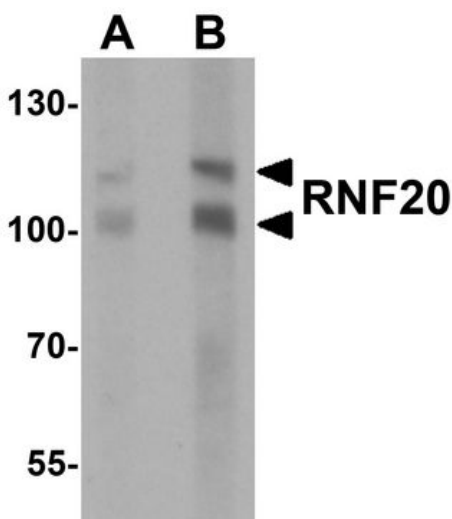
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RNF20 Antibody (N-Terminus) - Images

Anti-RNF20 antibody IHC staining of human skin.



Immunofluorescence of RNF20 in human liver tissue with RNF20 antibody at 20 ug/ml.



Western blot analysis of RNF20 in human liver tissue lysate with RNF20 antibody at (A) 1 and (B)...

RNF20 Antibody (N-Terminus) - 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.

RNF20 Antibody (N-Terminus) - References

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).