

RNF20 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8509b

Specification

RNF20 Antibody - Product Information

Application	WB,E
Primary Accession	Q5VTR2
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Calculated MW	113662

RNF20 Antibody - Additional Information

Gene ID 56254

Other Names

E3 ubiquitin-protein ligase BRE1A, BRE1-A, hBRE1, 632-, RING finger protein 20, RNF20, BRE1A

Target/Specificity

This RNF20 antibody is generated from a mouse immunized with a recombinant protein of human RNF20.

Dilution

WB~~1:2000

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RNF20 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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 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

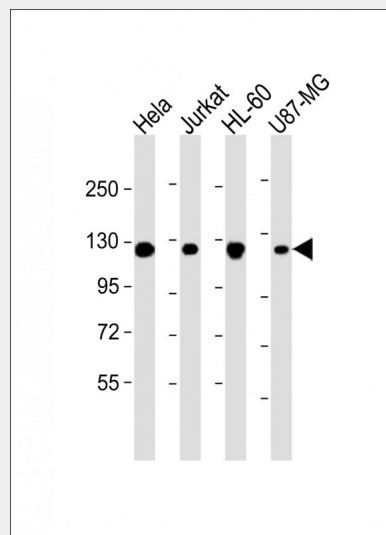
Expressed in the normal brain and also in malignant gliomas (at protein level).

RNF20 Antibody - 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 - Images



All lanes : Anti-RNF20 Antibody at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: HL-60 whole cell lysate Lane 4: U87-MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 114 kDa Blocking/Dilution buffer: 5% NFD/MBST.

RNF20 Antibody - 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 - 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).