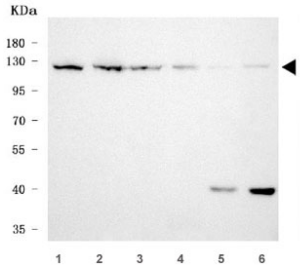
RNF20 Antibody / BRE1A [clone 3C6E2] (RQ7632)

Catalog No.	Formulation	Size
RQ7632	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	3C6E2
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q5VTR2
Applications	Western Blot : 0.5-1ug/ml
Limitations	This RNF20 antibody is available for research use only.



Western blot testing of 1) human HeLa, 2) human MOLT4, 3) human 293T, 4) human A431, 5) rat brain and 6) mouse brain tissue lysate with RNF20 antibody. Predicted molecular weight ~114 kDa.

Description

E3 ubiquitin-protein ligase BRE1A is an enzyme that in humans is encoded by the RNF20 gene. The protein encoded by this gene shares similarity with BRE1 of S. cerevisiae. The protein encoded by this human gene is an E3 ubiquitin ligase that regulates chromosome structure by monoubiquitinating histone H2B. This protein acts as a putative tumor suppressor and positively regulates the p53 tumor suppressor as well as numerous histone H2A and H2B genes. In contrast, this protein also suppresses the expression of several protooncogenes and growth-related genes, including many genes that are induced by epidermal growth factor. This gene selectively suppresses the expression of some genes by interfering with chromatin recruitment of transcription elongation factor SII (TFIIS).

Application Notes

Optimal dilution of the RNF20 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids E123-S389) was used as the immunogen for the RNF20 antibody.

Storage

After reconstitution, the RNF20 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.