Data Sheet (Cat.No.TMAC-03615)

Anti-RNF20 Antibody (1Z606)

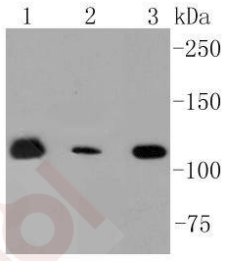
Product Details

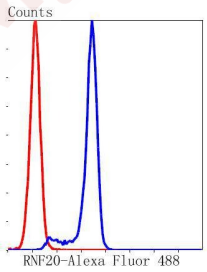
Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 114 kDa.
Clone:	1Z606
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of RNF20 on different lysates using anti-RNF20 antibody at 1/1,000 dilution. Positive control: Lane 1: Hela, Lane 2: MCF-7, Lane 3: Jurkat.
2. Flow cytometric analysis of K562 cells with RNF20 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.





Application:	FCM,IP,WB
Recommended	WB: 1:1000; ICC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q5VTR2
Synonyms:	hBRE1;RNF 20;E3 ubiquitin-protein ligase BRE1A;BRE1A;EC 2.3.2.27;RING-type E3 ubiquitin transferase BRE1A;BRE1-A;RING finger protein 20

Research Background

Ubiquitination is an important mechanism through which three classes of enzymes act in concert to target short-lived or abnormal proteins for destruction. The three classes of enzymes involved in ubiquitination are the ubiquitin-activating enzymes (E1s), the ubiquitin-conjugating enzymes (E2s) and the ubiquitin-protein ligases (E3s). RNF20 (ring finger protein 20), also known as BRE1, BRE1A or hBRE1, is a 975 amino acid nuclear protein that belongs to the BRE1 family. As a component of the RNF20/40 complex, RNF20 functions as an E3 ubiquitin-protein ligase that regulates the monoubiquitination and subsequent degradation of select residues on target proteins, such as Histone H2B. RNF20 is required for transcriptional activation of Hox genes and is most likely recruited by p53 to the MDM2 promoter, thereby acting as a transcriptional co-activator. RNF20 contains one zinc finger domain and exists as a homodimer.