

环指蛋白 20 抗体

产品货号： mlR9243

英文名称： RNF20

中文名称： 环指蛋白 20 抗体

别名： BRE1A; BRE1 A; E3 ubiquitin-protein ligase BRE1A; hBRE1; RING finger protein 20; BRE1A_HUMAN.

研究领域： 细胞生物 染色质和核信号 信号转导 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 114kDa

细胞定位： 细胞核

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human RNF20:551-660/975

亚 型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed： PubMed

产品介绍： 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. It is recruited to the MDM2 promoter, probably by being recruited by p53/TP53, and thereby acts as a transcriptional coactivator.

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/UBCH6 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.

Subunit:

Component of the RNF20/40 complex (also known as BRE1 complex) probably composed of 2 copies of RNF20/BRE1A and 2 copies of RNF40/BRE1B. Interacts with UBE2E1/UBCH6. Interacts with p53/TP53 and WAC. Interacts with PAF1; the interaction mediates the association of the PAF1 and RNF20/40 complexes which is a prerequisite for recruitment of UBE2A/B.

Subcellular Location:

Nuclear

Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:

Belongs to the BRE1 family.

Contains 1 RING-type zinc finger.

SWISS:

Q5VTR2

Gene ID:

56254

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片

