

ARG41777 anti-RNF20 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RNF20
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RNF20
Species	Human
Immunogen	Synthetic peptide of Human RNF20.
Conjugation	Un-conjugated
Alternate Names	EC 6.3.2.-; hBRE1; BRE1A; BRE1-A; RING finger protein 20; BRE1; E3 ubiquitin-protein ligase BRE1A

Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50 - 1:200
	IP	1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	293	
Observed Size	~ 125 kDa	

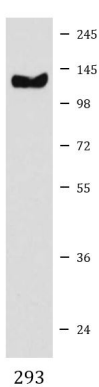
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	RNF20
Gene Full Name	ring finger protein 20, E3 ubiquitin protein ligase
Background	The protein encoded by this gene shares similarity with BRE1 of <i>S. cerevisiae</i> . 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). [provided by RefSeq, Feb 2012]
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. [UniProt]
Calculated Mw	114 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG41777 anti-RNF20 antibody WB image

Western blot: 293 cell lysate stained with ARG41777 anti-RNF20 antibody.