

Rabbit anti-Human, Mouse RNF20 Polyclonal Antibody | anti-RNF20 antibody

RNF20 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323697	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

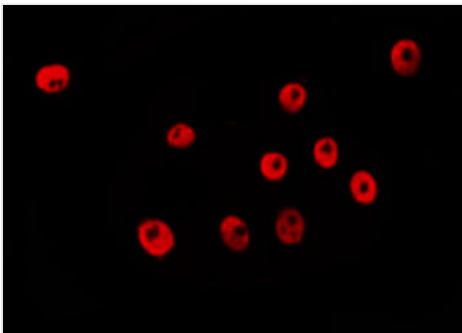
PRODUCT SYNONYMS

RNF20; Polyclonal Antibody; RNF20 Antibody; BRE1 A; BRE1; BRE1 E3 ubiquitin ligase homolog; BRE1-A; BRE1A; BRE1A_HUMAN; E3 ubiquitin-protein ligase BRE1A; hBRE1; Homolog of S. cerevisiae BRE1; RING finger protein 20; Ring finger protein 20 E3 ubiquitin protein ligase; Rnf20; anti-RNF20 antibody

PRODUCT SPECIFICATIONS

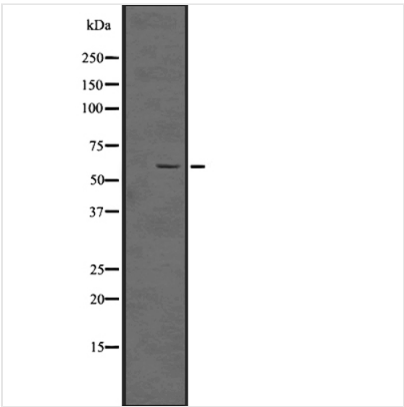
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	RNF20 antibody detects endogenous levels of total RNF20
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	975
Applicable Applications for anti-RNF20 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RNF20
Subcellular Location	Nucleus.
Tissue Specificity	Expressed in the normal brain and also in malignant gliomas (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA323697 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of RNF20 using 293 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-RNF20 antibody	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. Subunit Structure: 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. Interacts with isoform 1 and isoform 2 of PA2G4. Similarity: Belongs to the BRE1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34878777
NCBI GeneID	56254
NCBI Accession #	NP_062538.5
NCBI GenBank Nucleotide #	NM_019592.6
UniProt Accession #	Q5VTR2; Q2TB34; Q69YL5; Q6P527; Q8N3J4; Q96JD3; Q9H9Y7; Q9HA51; Q9NUR4; Q9NWX3; Q9NX83; A7MCT5
Molecular Weight	Observed: 114 kDa Predicted: 114 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase BRE1A
NCBI Official Synonym Full Names	ring finger protein 20
NCBI Official Symbol	RNF20
NCBI Official Synonym Symbols	BRE1; BRE1A; hBRE1
NCBI Protein Information	E3 ubiquitin-protein ligase BRE1A
UniProt Protein Name	E3 ubiquitin-protein ligase BRE1A
UniProt Gene Name	RNF20

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rnf20-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/323697>