

Rabbit anti-Human, Mouse RNF144B Polyclonal Antibody | anti-RNF144B antibody

RNF144B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324699	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

RNF144B; Polyclonal Antibody; RNF144B Antibody; bA528A10.3; E3 ubiquitin protein ligase RNF144B; E3 ubiquitin-protein ligase RNF144B; IBR domain containing 2; IBR domain containing protein 2; IBR domain-containing protein 2; IBRDC 2; IBRDC2; KIAA0161; MGC71786; OTTHUMP00000016079; OTTHUMP00000016080; OTTHUMP00000039360; p53 inducible RING finger protein; p53-inducible RING finger protein; p53RFP; PIR2; R144B_HUMAN; Ring finger 144B; RING finger protein 144B; RNF 144B; anti-RNF144B antibody

PRODUCT SPECIFICATIONS

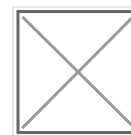
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	RNF144B antibody detects endogenous levels of total RNF144B
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	303
Applicable Applications for anti-RNF144B antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Membrane. Cytoplasm. Mostly cytosolic, accumulates in submitochondrial domains specifically upon apoptosis induction, in synchrony with BAX activation.
Tissue Specificity	Broadly expressed, with lowest levels in brain and thymus, and highest levels detectable in heart, ovary and testis.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324699 staining HeLa cells 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) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using RNF144B antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RNF144B antibody	Function: E3 ubiquitin-protein ligase which accepts ubiquitin from E2 ubiquitin-conjugating enzymes UBE2L3 and UBE2L6 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates such as LCMT2, thereby promoting their degradation. Induces apoptosis via a p53/TP53-dependent but caspase-independent mechanism. However, its overexpression also produces a decrease of the ubiquitin-dependent stability of BAX, a pro-apoptotic protein, ultimately leading to protection of cell death; But, it is not an anti-apoptotic protein per se. Subunit Structure: Interacts with UBE2L3, UBE2L6 and LCMT2, as well as with BAX. Post-translational Modifications: Auto-ubiquitinated. Similarity: The RING-type zinc finger domain mediates binding to an E2 ubiquitin-conjugating enzyme (By similarity). The transmembrane domain is essential for translocation to the mitochondria upon induction of apoptosis. Members of the RBR family are atypical E3 ligases. They interact with the E2 conjugating enzyme UBE2L3 and function like HECT-type E3 enzymes: they bind E2s via the first RING domain, but require an obligate trans-thiolation step during the ubiquitin transfer, requiring a conserved cysteine residue in the second RING domain. Belongs to the RBR family. RNF144 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50284696
NCBI GeneID	255488
NCBI Accession #	NP_877434.2
NCBI GenBank Nucleotide #	NM_182757.3
UniProt Accession #	Q7Z419; Q5TB85; Q6P4Q0; Q8N3R7; Q9BX38; B3KUA8; B4DZI2
Molecular Weight	Observed: 33 kD Predicted: 34 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase RNF144B
NCBI Official Synonym Full Names	ring finger protein 144B
NCBI Official Symbol	RNF144B
NCBI Official Synonym Symbols	PIR2; IBRDC2; p53RFP; bA528A10.3
NCBI Protein Information	E3 ubiquitin-protein ligase RNF144B
UniProt Protein Name	E3 ubiquitin-protein ligase RNF144B
UniProt Gene Name	RNF144B
UniProt Synonym Gene Names	IBRDC2; P53RFP

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.