

**RNF144B Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18585c****Specification**

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**RNF144B Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O7Z419</a>
Other Accession	<a href="#">NP_877434.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33697
Antigen Region	90-118

**RNF144B Antibody (Center) - Additional Information****Gene ID** 255488**Other Names**

E3 ubiquitin-protein ligase RNF144B, 632-, IBR domain-containing protein 2, RING finger protein 144B, p53-inducible RING finger protein, RNF144B, IBRDC2, P53RFP

**Target/Specificity**

This RNF144B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-118 amino acids from the Central region of human RNF144B.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

RNF144B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**RNF144B Antibody (Center) - Protein Information****Name** RNF144B**Synonyms** IBRDC2, P53RFP

**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.

#### **Cellular Location**

Mitochondrion membrane; Single-pass membrane protein. Cytoplasm Note=Mostly cytosolic, accumulates in submitochondrial domains specifically upon apoptosis induction, in synchrony with BAX activation

#### **Tissue Location**

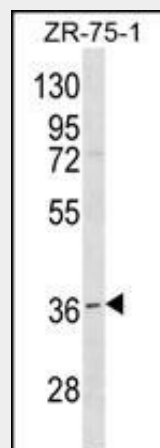
Broadly expressed, with lowest levels in brain and thymus, and highest levels detectable in heart, ovary and testis

### **RNF144B Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **RNF144B Antibody (Center) - Images**



RNF144B Antibody (Center) (Cat. #AP18585c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the RNF144B antibody detected the RNF144B protein (arrow).

### **RNF144B Antibody (Center) - Background**

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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.

#### **RNF144B Antibody (Center) - References**

Sayan, B.S., et al. Proc. Natl. Acad. Sci. U.S.A. 107(29):12877-12882(2010)

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :

Benard, G., et al. EMBO J. 29(8):1458-1471(2010)

Markson, G., et al. Genome Res. 19(10):1905-1911(2009)

van Wijk, S.J., et al. Mol. Syst. Biol. 5, 295 (2009) :