

**RNF144B Antibody (clone 4F1)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS13509****Specification**

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**RNF144B Antibody (clone 4F1) - Product Information**

Application	WB, IF, IHC
Primary Accession	<a href="#">Q7Z419</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	34kDa KDa

**RNF144B Antibody (clone 4F1) - Additional Information****Gene ID** 255488**Other Names**

E3 ubiquitin-protein ligase RNF144B, 6.3.2.-, IBR domain-containing protein 2, RING finger protein 144B, p53-inducible RING finger protein, RNF144B, IBRDC2, P53RFP

**Reconstitution & Storage**

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

**Precautions**

RNF144B Antibody (clone 4F1) is for research use only and not for use in diagnostic or therapeutic procedures.

**RNF144B Antibody (clone 4F1) - 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**

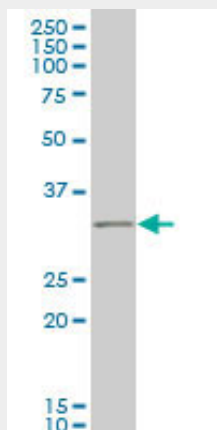
Broadly expressed, with lowest levels in brain and thymus, and highest levels detectable in heart, ovary and testis

### RNF144B Antibody (clone 4F1) - Protocols

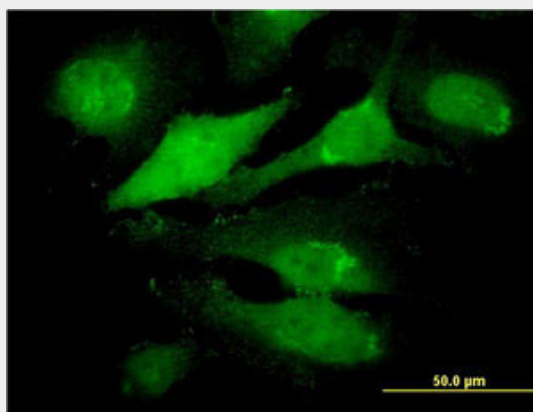
Provided below are standard protocols that you may find useful for product applications.

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

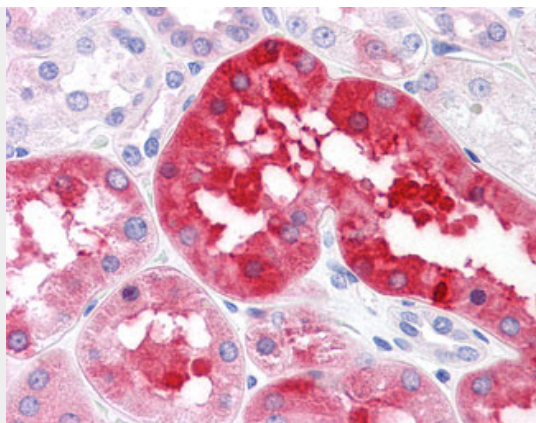
### RNF144B Antibody (clone 4F1) - Images



RNF144B monoclonal antibody, clone 4F1 Western blot of IBRDC2 expression in IMR-32.



Immunofluorescence of monoclonal antibody to IBRDC2 on HeLa cell (antibody concentration 10 ug/ml).



Anti-RNF144B antibody IHC of human kidney.

#### **RNF144B Antibody (clone 4F1) - Background**

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#### **RNF144B Antibody (clone 4F1) - References**

Ng C.-C., et al. *Oncogene* 22:4449-4458(2003).  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).  
Bechtel S., et al. *BMC Genomics* 8:399-399(2007).  
Mungall A.J., et al. *Nature* 425:805-811(2003).  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.