

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

RNF144B Antibody (clone 4F1) - Product Information

Application	WB, IF, IHC
Primary Accession	Q7Z419
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

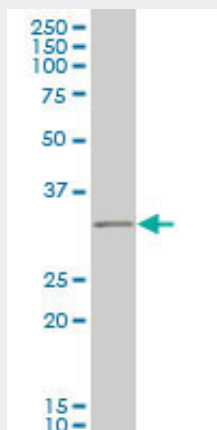
Broadly expressed, with lowest levels in brain and thymus, and highest levels detectable in heart, ovary and testis

RNF144B Antibody (clone 4F1) - Protocols

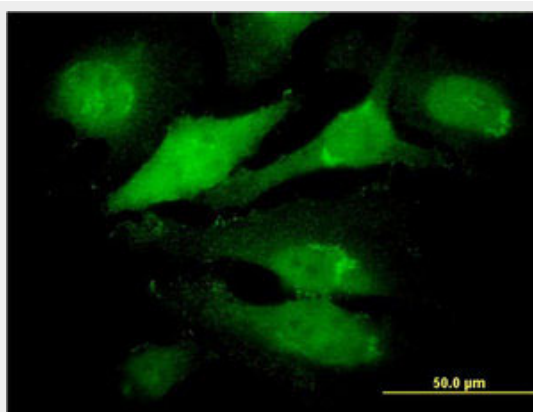
Provided below are standard protocols that you may find useful for product applications.

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

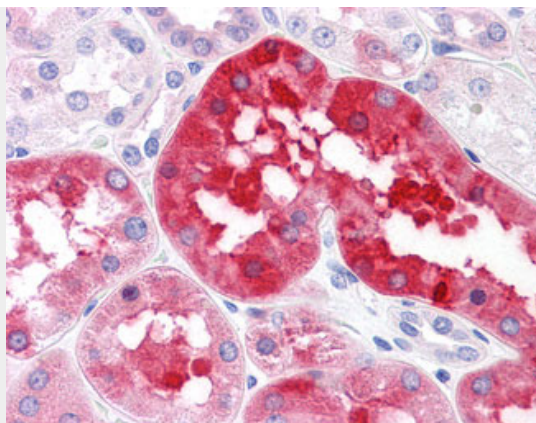
RNF144B Antibody (clone 4F1) - Images



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.