

p53RFP rabbit pAb**Cat#: orb766004 (Manual)**

For research use only. Not intended for diagnostic use.

Product Name	p53RFP rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	Synthesized peptide derived from the Internal region of human p53RFP.
Specificity	p53RFP Polyclonal Antibody detects endogenous levels of p53RFP protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	E3 ubiquitin-protein ligase RNF144B
Gene Name	RNF144B
Cellular localization	Mitochondrion membrane ; Single-pass membrane protein . Cytoplasm . Mostly cytosolic, accumulates in submitochondrial domains specifically upon apoptosis induction, in synchrony with BAX activation.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

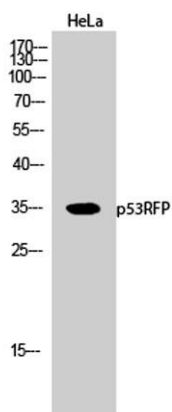
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	35kD
Human Gene ID	255488
Human Swiss-Prot Number	Q7Z419
Alternative Names	RNF144B; IBRDC2; P53RFP; E3 ubiquitin-protein ligase RNF144B; IBR domain-containing protein 2; RING finger protein 144B; p53-inducible RING finger protein

Background

caution:Lacks the His residue in the RING-type domain 2 that is one of the conserved features of the family.,domain:The RING-type zinc finger domain mediates binding to an E2 ubiquitin-conjugating enzyme.,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 TP53/p53-dependent but caspase-independent mechanism.,pathway:Protein modification; protein ubiquitination.,PTM:Auto-ubiquitinated.,similarity:Belongs to the RBR family. RNF144 subfamily.,similarity:Contains 1 IBR-type zinc finger.,similarity:Contains 2 RING-type zinc fingers.,subunit:Interacts with UBE2L3, UBE2L6 and LCMT2.,tissue specificity:Broadly expressed, with lowest levels in brain, spleen and thymus.,



Western Blot analysis of various cells using p53RFP Polyclonal Antibody



Western Blot analysis of HeLa cells using p53RFP Polyclonal Antibody