

p53R2 Antibody

Catalog No: #24129

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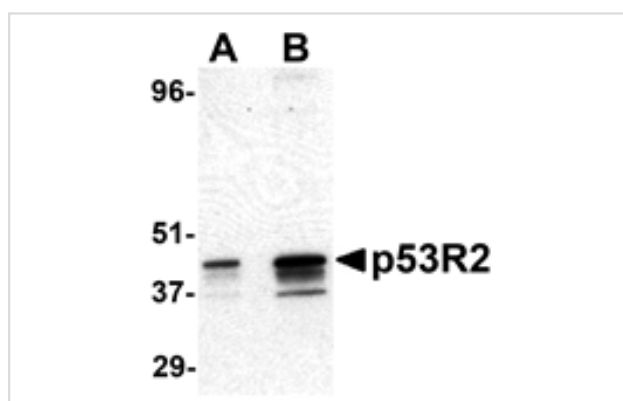
Description

Product Name	p53R2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to amino acids 2 to 17 of human p53R2.
Target Name	p53R2
Accession No.	Swiss-Prot:Q7LG56Gene ID:50484
Uniprot	Q7LG56
GeneID	50484;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

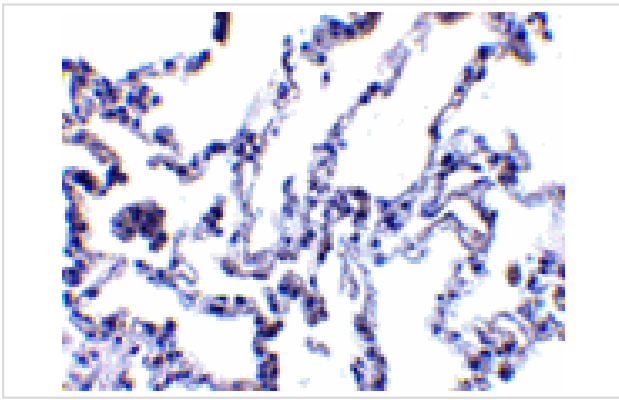
Application Details

Predicted MW: 39 kd

Images



Western blot analysis of p53R2 expression in A431 cell lysate at (A) 0.5 and (B) 1 ug /ml.



Immunohistochemistry of p53R2 in human lung tissue with p53R2 antibody at 1 ug/mL.

Background

The p53 tumor-suppressor gene integrates numerous signals that control cell life and death. Several novel molecules involved in p53 signaling, including p53R2, Chk2, p53AIP1, Noxa, PIDD, and PID/MTA2, were recently discovered. p53R2 is a p53 inducible gene that contains a p53 binding sequence and encodes a subunit of the enzyme ribonucleotide reductase. p53R2 is induced by the reagents, ultraviolet and gamma-irradiation that cause DNA damages. The product of p53R2 gene is directly involved in the p53 checkpoint for repair of damaged DNA. The isoform of the p53 family member p73 also induces p53R2 expression. p53R2 is an important target of p53 for tumor suppression.

Note: This product is for in vitro research use only