

Summary

Production Name	PIG3 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	TP53I3
Alternative Names	TP53I3; PIG3; Quinone oxidoreductase PIG3; Tumor protein p53-inducible protein 3; p53-induced gene 3 protein
Gene ID	9540.0
SwissProt ID	Q53FA7.The antiserum was produced against synthesized peptide derived from human QORX. AA range:241-290

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:20000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	36kDa

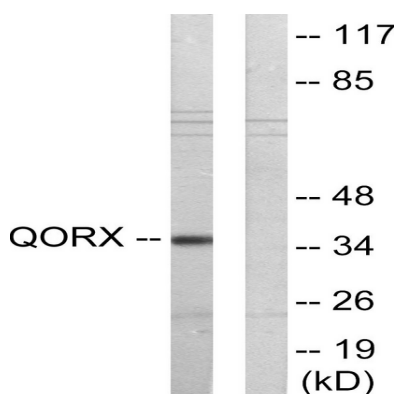
Background

The protein encoded by this gene is similar to oxidoreductases, which are enzymes involved in cellular responses to oxidative stresses and irradiation. This gene is induced by the tumor suppressor p53 and is thought to be involved in p53-mediated cell death. It contains a p53 consensus binding site in its promoter region and a downstream pentanucleotide microsatellite sequence. P53 has been shown to transcriptionally activate this gene by interacting with the downstream pentanucleotide microsatellite sequence. The microsatellite is polymorphic, with a varying number of pentanucleotide repeats directly correlated with the extent of transcriptional activation by p53. It has been suggested that the microsatellite polymorphism may be associated with differential susceptibility to cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. alternative products: UV radiation favors the production of isoform 2, function: May be involved in the generation of reactive oxygen species (ROS), induction: Isoforms 1 and 2 are both activated by TP53/p53, doxorubicin, etoposide and ionizing radiation. Isoform 2 is highly activated by UV radiation, similarity: Belongs to the zinc-containing alcohol dehydrogenase family. Quinone oxidoreductase subfamily,

Research Area

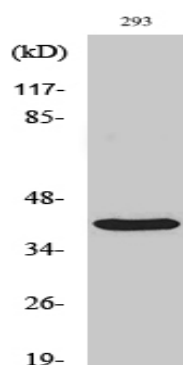
p53;

Image Data



Western blot analysis of lysates from 293 cells, using QORX Antibody. The lane on the right is blocked with the synthesized peptide.

Product Name: PIG3 Rabbit Polyclonal Antibody
Catalog #: APRab16131



Western Blot analysis of various cells using PIG3 Polyclonal Antibody

Note

For research use only.