



# PIG3 Polyclonal Antibody

<b>Catalog No</b>	BYab-02752
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	TP53I3
<b>Protein Name</b>	Quinone oxidoreductase PIG3
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human QORX. AA range:241-290
<b>Specificity</b>	PIG3 Polyclonal Antibody detects endogenous levels of PIG3 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TP53I3; PIG3; Quinone oxidoreductase PIG3; Tumor protein p53-inducible protein 3; p53-induced gene 3 protein
<b>Observed Band</b>	36kD
<b>Cell Pathway</b>	cytosol,extracellular exosome,
<b>Tissue Specificity</b>	Colon cancer,Gastric mucosa,Lung carcinoma,Mammary tumor,Muscle,
<b>Function</b>	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.,
<b>Background</b>	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

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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.

**matters needing attention**

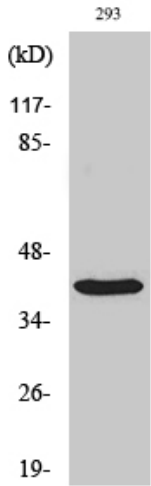
Avoid repeated freezing and thawing!

**Usage suggestions**

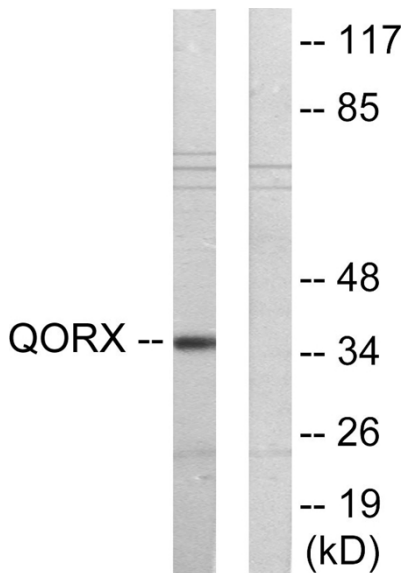
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



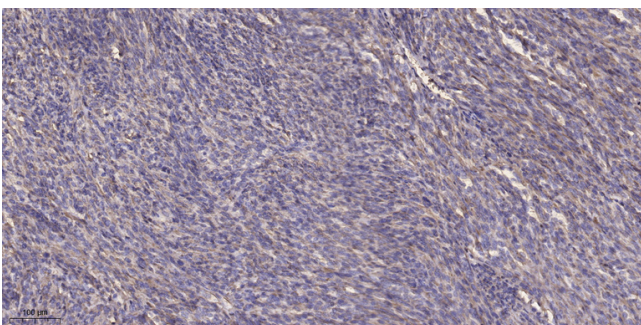
## Products Images



Western Blot analysis of various cells using PIG3 Polyclonal Antibody



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



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).