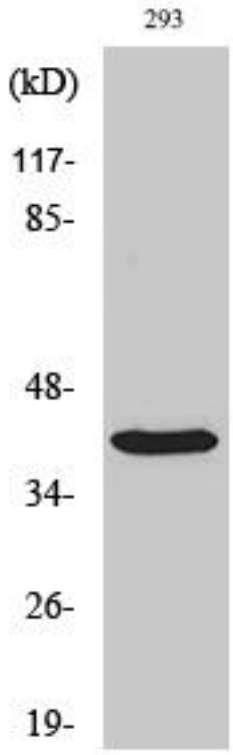
PIG3 Monoclonal Antibody

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