

Product Name: KD-Validated TP53I3 Mouse Monoclonal Antibody**Catalog #: KVA01915**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:400-1:2,000
Molecular Weight	Calculated MW: 35.5kDa

Antigen Information

Gene Name	TP53I3 TP53I3; Tumor Protein P53 Inducible Protein 3; PIG3; NADPH:Quinone Reductase PIG3;
Alternative Names	Quinone Oxidoreductase PIG3; P53-Induced Gene 3 Protein; Tumor Protein P53-Inducible Protein 3; Quinone Oxidoreductase Homolog; Protein PIG3; EC 1.6.5.5
Gene ID	9540.0
SwissProt ID	Q53FA7
Immunogen	Recombinant protein of human TP53I3

Background

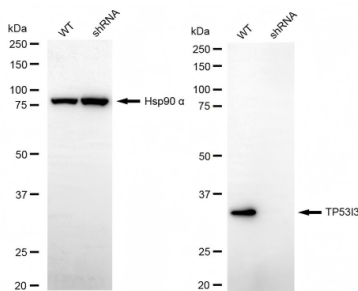
The protein encoded by this gene is similar to oxidoreductases, which are enzymes involved in cellular responses to oxidative stresses and irradiation. This gene is induced by the tumor suppressor p53 and is thought to be involved in p53-mediated cell

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. [provided by RefSeq, May 2011]

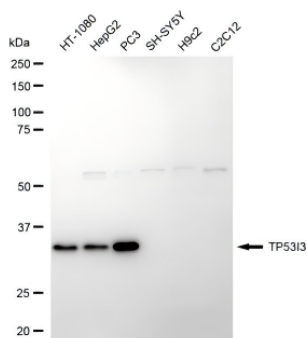
Research Area

Cancer, Cell Biology, Metabolism

Image Data



Western blotting analysis using TP53I3 antibody (KVA01915). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with TP53I3 antibody (KVA01915, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



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