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Product datasheet for TA590395

PIG3 (TP53I3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	WB 1:5000~20000, IHC 1:150,ELISA 1:100-1:2000
Reactivity:	Human, Monkey
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DNA immunization. This antibody is specific for the N Terminus Region of the target protein.
Formulation:	20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.0
Concentration:	0.86mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor protein p53 inducible protein 3
Database Link:	NP_671713 Entrez Gene 704206 MonkeyEntrez Gene 9540 Human Q53FA7

View online »

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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. At least two transcript variants encoding the same protein have been found for this gene.

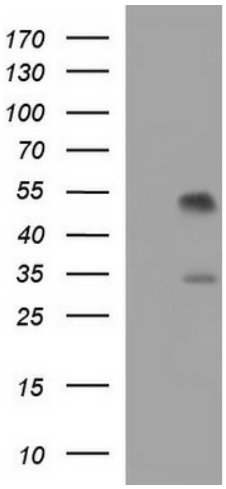
Synonyms: PIG3

Note: This antibody was generated by SDIX's Genomic Antibody Technology ® (GAT).Learn about GAT

Protein Families: Druggable Genome

Protein Pathways: p53 signaling pathway

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TP53I3 ([RC224067], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TP53I. Positive lysates [LY407779] (100ug) and [LC407779] (20ug) can be purchased separately from OriGene.

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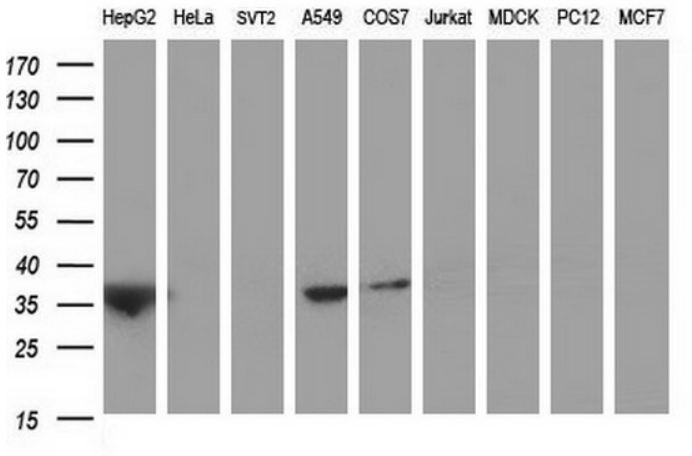
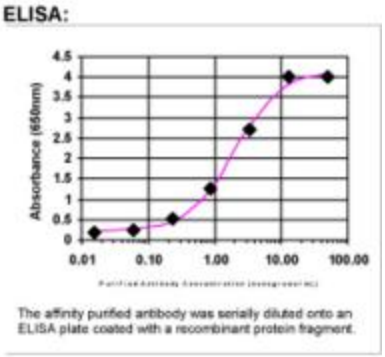
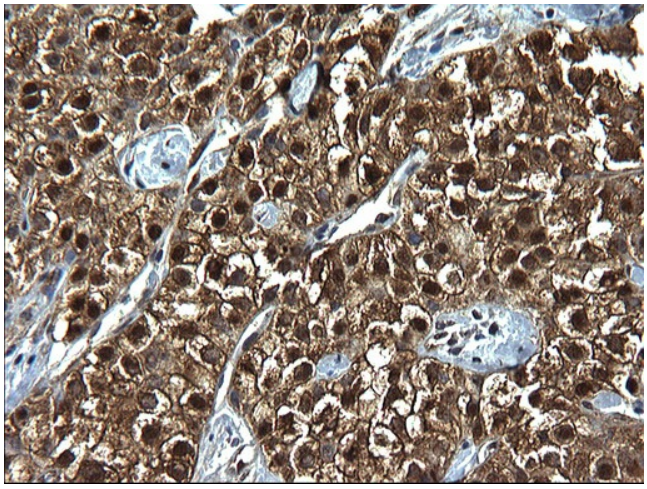


Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-TP53I3 polyclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



ELISA: PIG3 Antibody



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-TP53I3 rabbit polyclonal antibody. (TA590395). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

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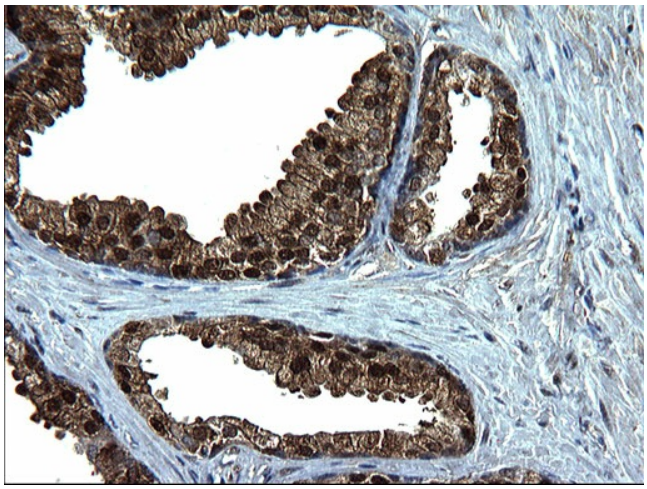

Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-TP53I3 rabbit polyclonal antibody. (TA590395). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

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