

Product datasheet for **TA308561**

PIG3 (TP53I3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Bovine)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 332 of PIG3 (Uniprot ID#Q53FA7)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	36 kDa
Gene Name:	tumor protein p53 inducible protein 3
Database Link:	NP_004872 Entrez Gene 9540 Human Q53FA7



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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. [provided by RefSeq]

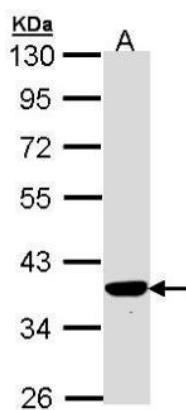
Synonyms: PIG3

Note: Seq homology of immunogen across species: Bovine (88%)

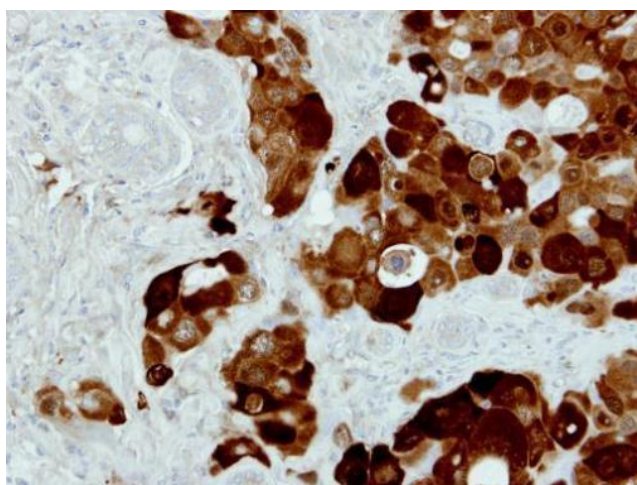
Protein Families: Druggable Genome

Protein Pathways: p53 signaling pathway

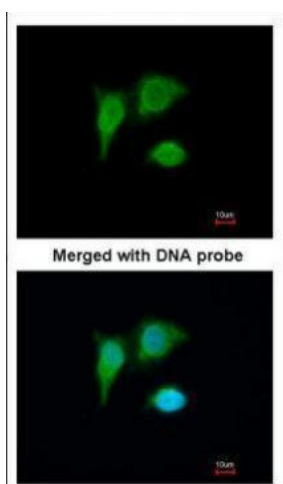
Product images:



Sample (30 ug of whole cell lysate). A: Hep G2.
10% SDS PAGE. TA308561 diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded H441 xenograft, using PIG3 (TA308561) antibody at 1:500 dilution.



Immunofluorescence analysis of paraformaldehyde-fixed A549, using PIG3 (TA308561) antibody at 1:200 dilution.