# Rabbit anti-Human PIG3 Polyclonal Antibody | anti-PIG3 antibody

PIG3 antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA307342** | **Rabbit** | **Human** | **Immunofluorescence, Immunohistochemistry, Western Blot** |

## PRODUCT SYNONYMS

PIG3; Polyclonal Antibody; PIG3 antibody; anti-PIG3 antibody

## PRODUCT SPECIFICATIONS

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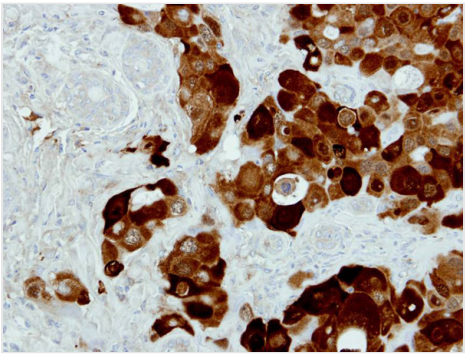
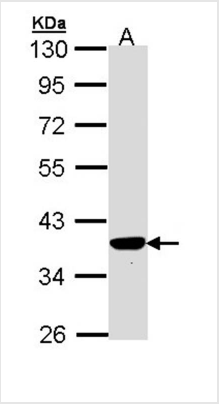
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Clonality** | Polyclonal |
| **Purity/Purification** | Purified by antigen-affinity chromatography. |
| **Form/Format** | Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative. |
| **Sequence Length** | 332 |
| **Applicable Applications for anti-PIG3 antibody** | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| **Immunogen Type** | Recombinant protein |
| **Immunogen Description** | Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 302 of PIG3 |
| **Target Name** | PIG3 |
| **Preparation and Storage** | Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use. |

## IMAGES

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



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




**Application Data**
Sample (30 ug of whole cell lysate) A: Hep G2 10% SDS PAGE Primary antibody diluted at 1: 1000

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-PIG3 antibody** | 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] |
| **Product Categories/Family for anti-PIG3 antibody** | Total protein Ab |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 22538444 |
| **NCBI GeneID** | 9540 |
| **NCBI Accession #** | NP_004872 |
| **NCBI GenBank Nucleotide #** | NM_004881.4 |
| **Molecular Weight** | 25,402 Da |
| **NCBI Official Full Name** | quinone oxidoreductase PIG3 isoform 1 |
| **NCBI Official Synonym Full Names** | tumor protein p53 inducible protein 3 |
| **NCBI Official Symbol** | TP53I3 |
| **NCBI Official Synonym Symbols** | PIG3 |
| **NCBI Protein Information** | quinone oxidoreductase PIG3 |
| **UniProt Protein Name** | Quinone oxidoreductase PIG3 |
| **UniProt Gene Name** | **TP53I3** |
| **UniProt Synonym Gene Names** | PIG3 |
| **UniProt Entry Name** | QORX_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.