

# TP53I3 polyclonal antibody

Catalog # PAB10164      Size 100 ug

## Applications

### Western Blot (Cell lysate)



Western blot using TP53I3 polyclonal antibody (Cat # PAB10164) on RKO cells transfected with TP53I3 without insert (lane 1), transfected with pCEP4-TP53I3 (lane 2), under control conditions (lane3) and treated with adriamycin to activate wild-type p53 (lane 4). Also used on MCF-7 cells transfected with pCEP4 without insert (lane 5) and pCEP4-TP53I3 (lane 6).

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against full length recombinant TP53I3.
<b>Immunogen</b>	Recombinant protein corresponding to full length TP53I3.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein.
<b>Recommend Usage</b>	The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.08% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Gene Info — TP53I3

**Entrez GeneID** [9540](#)

**Gene Name** TP53I3

**Gene Alias** PIG3

**Gene Description** tumor protein p53 inducible protein 3

**Omim ID** [605171](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** 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]

**Other Designations** OTTHUMP00000116037|p53-induced gene 3 protein|quinone oxidoreductase homolog

## Publication Reference

- [p53-dependent expression of PIG3 during proliferation, genotoxic stress, and reversible growth arrest.](#)

Flatt PM, Polyak K, Tang LJ, Scatena CD, Westfall MD, Rubinstein LA, Yu J, Kinzler KW, Vogelstein B, Hill DE, Pieterpol JA. Cancer Letters 2000 Aug; 156(1):63.

Application: IF, WB-Ce, WB-Tr, Human, Fibroblasts, Keratinocytes, MCF-10A, HCT116, RKO, H1p53, H1O, MCF-7 cells

- [Regulation of p53 downstream genes.](#)

el-Deiry WS.

Seminars in Cancer Biology 1998 Sep; 8(5):345.

- [The requirement for the p53 proline-rich functional domain for mediation of apoptosis is correlated with specific PIG3 gene transactivation and with transcriptional repression.](#)

Venot C, Maratrat M, Dureuil C, Conseiller E, Bracco L, Debussche L.

The EMBO Journal 1998 Aug; 17(16):4668.

## Pathway

- [p53 signaling pathway](#)

## Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)

- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)