

## Product datasheet for **AM50012PU-S**

### **PIG3 (TP53I3) (1-332) Mouse Monoclonal Antibody [Clone ID: AT1C9]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	AT1C9
Applications:	ELISA, FC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot</b> (1:3,000). <b>Flow cytometry.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human TP53I3 (1-332aa) purified from <i>E. coli</i>
Specificity:	This antibody detects Recombinant human TP53I3 (1-332aa).
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor protein p53 inducible protein 3
Database Link:	<a href="#">Entrez Gene 9540 Human Q53FA7</a>



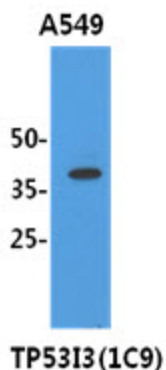
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**Background:**

TP53I3 participates in the generation of reactive oxygen species (ROS). TP53I3 has low NADPH-dependent naphthoquinone reductase activity, with a preference for 1,2-naphthoquinone over 1,4-naphthoquinone. TP53I3 has low NADPH-dependent diamine reductase activity (in vitro). TP53I3 is localized to the cytoplasm and induced in primary, non-transformed and transformed cell cultures after exposure to genotoxic agents. TP53I3 microsatellite polymorphism is associated with differential susceptibility to cancer.

**Synonyms:**

p53-induced gene 3 protein, PIG3

**Product images:**

The extracts of PC-3 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KLK3 antibody (1:500 ~ 1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.