

# PIG3 Polyclonal Antibody

Catalog # AP71906

## Product Information

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Application	WB, IHC-P
Primary Accession	<a href="#">Q53FA7</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35536

## Additional Information

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Gene ID	9540
Other Names	TP53I3; PIG3; Quinone oxidoreductase PIG3; Tumor protein p53-inducible protein 3; p53-induced gene 3 protein
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

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Name	TP53I3 ( <a href="#">HGNC:19373</a> )
Synonyms	PIG3
Function	Catalyzes the NADPH-dependent reduction of quinones (PubMed: <a href="#">19349281</a> ). Exhibits a low enzymatic activity with beta- naphthoquinones, with a strong preference for the ortho-quinone isomer (1,2-beta-naphthoquinone) over the para isomer (1,4-beta- naphthoquinone). Also displays a low reductase activity for non-quinone compounds such as diamine and 2,6-dichloroindophenol (in vitro) (PubMed: <a href="#">19349281</a> ). Involved in the generation of reactive oxygen species (ROS) (PubMed: <a href="#">19349281</a> ).

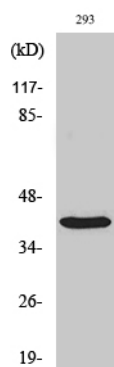
## Background

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May be involved in the generation of reactive oxygen species (ROS). Has low NADPH-dependent beta-naphthoquinone reductase activity, with a preference for 1,2-beta-naphthoquinone over 1,4-beta-naphthoquinone. Has low NADPH-dependent diamine reductase activity (in vitro).

## Images

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Western Blot analysis of various cells using PIG3 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.