

Rabbit anti-Human, Mouse PIG3 Polyclonal Antibody | anti-PIG3 antibody

PIG3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322594	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PIG3; Polyclonal Antibody; PIG3 Antibody; p53 induced gene 3 protein; p53-induced gene 3 protein; Putative quinone oxidoreductase; QORX_HUMAN; quinone oxidoreductase homolog; Quinone oxidoreductase PIG3; TP53I3; Tumor protein p53 inducible protein 3; Tumor protein p53-inducible protein 3; anti-PIG3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PIG3 antibody detects endogenous levels of total PIG3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	248
Applicable Applications for anti-PIG3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PIG3
Tissue Specificity	Isoform 1 and isoform 2 are both activated by p53/TP53, doxorubicin, etoposide and ionizing radiation. Isoform 2 is highly activated by UV radiation.
Predicted Cross Reactivity	Bovine, Horse, Sheep
Similarity	Bovine (83%), Horse (92%), Sheep (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322594 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of PIG3 using HeLa whole cell lysates



IHC (Immunohistochemistry)

AAA322594 at 1/100 staining Human cervical cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PIG3 antibody	Function: 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). Subunit Structure: Homodimer. Similarity: Belongs to the zinc-containing alcohol dehydrogenase family. Quinone oxidoreductase subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	332164791
NCBI GeneID	9540
NCBI Accession #	NP_001193731.1
NCBI GenBank Nucleotide #	NM_001206802.2
UniProt Accession #	Q53FA7; O14679; O14685; Q38G78; Q6JLE7; Q9BWB8; D6W533
Molecular Weight	Observed: 36 kDa Predicted: 36 kDa
NCBI Official Full Name	quinone oxidoreductase PIG3 isoform 2
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pig3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322594>