

Mouse anti-Human TP53I3 Monoclonal Antibody | anti-TP53I3 antibody

TP53I3 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48107	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT1C9
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	332
Applicable Applications for anti-TP53I3 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human TP53I3 (1-332aa) purified from E. coli
Clone Note	Anti-human TP53I3 mAb, clone AT1C9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human TP53I3 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of TP53I3 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human TP53I3 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human TP53I3 antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : A549 cell lysate Lane 2. : SW480 cell lysate The Cell lysates (1ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human TP53I3 antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: TP53I3 Transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-TP53I3 antibody	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.
Product Categories/Family for anti-TP53I3 antibody	Cancer
References	Porte S, et al. (2009) J Biol Chem.. 284 (25):17194-205 ; Flatt PM. et al. (2000) Cancer Lett. 156 (1):63-72.; J Biol Chem. 2009 Jun 19;284 (25):17194-205.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22538446
NCBI GeneID	9540
NCBI Accession #	NP_671713
NCBI GenBank Nucleotide #	NM_147184.3
UniProt Accession #	Q53FA7; O14679; O14685; Q38G78; Q6JLE7; Q9BWB8; D6W533
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

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.