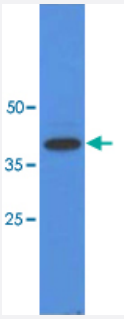
TP53I3 monoclonal antibody, clone AT1C9

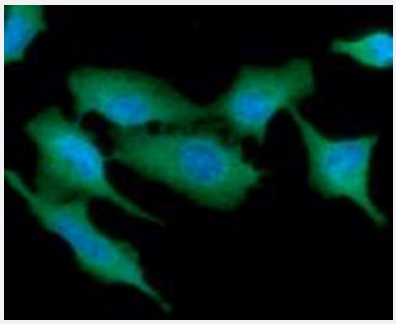
Catalog # MAB11193 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of A-549 cell lysate (40 ug) by using TP53I3 monoclonal antibody, clone AT1C9 (Cat # MAB11193) (1:3000).



Immunofluorescence

Immunofluorescence analysis of TP53I3 in A-549 cells. The cell was stained with TP53I3 monoclonal antibody, clone AT1C9 (Cat # MAB11193) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant TP53I3.
Immunogen	Recombinant protein corresponding to amino acids 1-332 of human TP53I3.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Concentration	1 mg/mL

Isotype	IgG2a, kappa
Recommend Usage	ELISA Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of A-549 cell lysate (40 ug) by using TP53I3 monoclonal antibody, clone AT1C9 (Cat # MAB11193) (1:3000).

- Immunocytochemistry

- Immunofluorescence

  Immunofluorescence analysis of TP53I3 in A-549 cells. The cell was stained with TP53I3 monoclonal antibody, clone AT1C9 (Cat # MAB11193) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — TP53I3

Entrez GeneID	9540
Protein Accession#	NP_671713
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

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