

Datasheet for ABIN723366

anti-p53 antibody

2 Publications



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Overview

Quantity:	100 µL
Target:	p53 (TP53)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human P53(wt-p53)
Clone:	D2F7
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein G.

Target Details

Target:	p53 (TP53)
Alternative Name:	p53 (TP53 Products)
Background:	Synonyms: Widespread p53, Wtp53, Antigen NY-CO-13, Cellular tumor antigen p53, Cys 51 Stop, HGNC11998, LFS1, p53, p53 Cellular Tumor Antigen, p53 Tumor Suppressor,

Target Details

Phosphoprotein p53, TP53, Transformation related protein 53, TRP53, Tumor protein p53, Tumour Protein p53, P53_HUMAN, TP53.

Background: This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons (PMIDs: 12032546, 20937277). [provided by RefSeq, Feb 2013].

Gene ID:	7157
Pathways:	p53 Signaling , MAPK Signaling , PI3K-Akt Signaling , Apoptosis , AMPK Signaling , Chromatin Binding , ER-Nucleus Signaling , Positive Regulation of Endopeptidase Activity , Hepatitis C , Protein targeting to Nucleus , Autophagy , Warburg Effect

Application Details

Application Notes:	WB 1:300-5000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

- Product cited in:
- Zhou, Dong, He, Fang, Jiang, Sun: "miR612 is associated with esophageal squamous cell carcinoma development and metastasis, mediated through TP53." in: **Molecular medicine reports**, Vol. 16, Issue 2, pp. 1855-1863, (2018) ([PubMed](#)).
- Wang, Huang, Xing, Cui, Tian, Shen, Jiang, Yan, Wang, Zhang: "Sterigmatocystin induces G1 arrest in primary human esophageal epithelial cells but induces G2 arrest in immortalized cells: key mechanistic differences in these two models." in: **Archives of toxicology**, (2014) ([PubMed](#)).