



# Anti-TP53 monoclonal antibody, clone BP53-12 [FITC] (CABT-50213MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse anti Human p53 (aa20-25) antibody, clone BP53-12 recognizes the human p53 nuclear protein. Mouse anti Human p53 (aa20-25) antibody recognizes amino acids 20 - 25, in both wild type and mutant p53. Flow Cytometry Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul.
<b>Specificity</b>	TP53
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	BP53-12
<b>Conjugate</b>	FITC
<b>Applications</b>	FC
<b>Format</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
<b>Size</b>	100 tests
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

# GENE INFORMATION

Gene Name	<a href="#">TP53 tumor protein p53 [ Homo sapiens (human) ]</a>
Official Symbol	TP53
Synonyms	TP53; tumor protein p53; P53; BCC7; LFS1; TRP53; cellular tumor antigen p53; antigen NY-CO-13; tumor protein 53; phosphoprotein p53; p53 tumor suppressor; mutant tumor protein 53; transformation-related protein 53;
Entrez Gene ID	<a href="#">7157</a>
Protein Refseq	<a href="#">NP_000537</a>
UniProt ID	P04637
Chromosome Location	17p13.1
Pathway	AMPK signaling; Activation of BH3-only proteins; Activation of NOXA and translocation to mitochondria; Activation of PUMA and translocation to mitochondria; Alzheimers Disease; Amyotrophic lateral sclerosis (ALS); Apoptosis; Aurora A signaling;
Function	ATP binding; DNA binding; MDM2/MDM4 family protein binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA polymerase II core promoter sequence-specific DNA binding; RNA polymerase II transcription factor binding; RNA polymerase II transcription regulatory region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; chaperone binding; chromatin binding; copper ion binding; core promoter sequence-specific DNA binding; damaged DNA binding; enzyme binding; histone acetyltransferase binding; histone deacetylase regulator activity; identical protein binding; p53 binding; protease binding; protein N-terminus binding; protein binding; protein heterodimerization activity; protein kinase binding; protein phosphatase 2A binding; protein phosphatase binding; receptor tyrosine kinase binding; sequence-specific DNA binding RNA polymerase II transcription factor activity; sequence-specific DNA binding transcription factor activity; transcription factor binding; transcription regulatory region DNA binding; ubiquitin protein ligase binding; zinc ion binding;