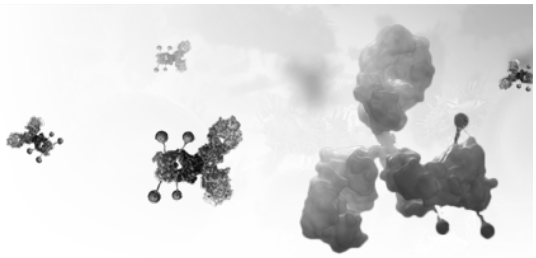

Anti-TP53 monoclonal antibody, clone DO-11 (CABT-50219MH)

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

PRODUCT INFORMATION

Product Overview	Mouse anti Human p53 antibody, clone DO-11 recognizes the human Cellular tumor antigen p53, also known as p53 tumour suppressor protein or NY-CO-13. p53 is a 393 amino acid ~53kDa cytoplasmic/ nuclear protein up-regulated in response to DNA damage and is found in a wide variety of transformed cells (UniProt: P04637). DO-11 binds to an epitope within the central region of p53 between amino acids 181 - 190 defining a cryptic epitope exposed in unfolded/ denatured p53. Nine isoforms of human p53 are produced by alternative splicing and promotor usage, the epitope recognized by clone DO-11 is present in all isoforms. Mouse anti Human p53 antibody, clone DO-11 recognizes mutant forms of p53 and has been used successfully for detection of p53 by western blotting.
Specificity	TP53
Immunogen	Recombinant human p53.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	DO-11
Conjugate	Unconjugated
Applications	IHC-Fr; IP; IHC-P; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	See individual product datasheet

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Storage	in frost free freezers is not recommended. 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	TP53 tumor protein p53 [Homo sapiens (human)]
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	7157
Protein Refseq	NP_000537
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;

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