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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

TP53 monoclonal antibody, clone CL2199

Catalog Number: MAB15729

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against partial recombinant human TP53.

Clone Name: CL2199

Immunogen: Recombinant protein corresponding to human TP53.

Sequence:
KKGEPHHELPPGSTKRALPNNTSSSPQPKKKPLDGEY FTLQIRGRERFEMFRELNEALELKDAQAGKEPGGSRA HSSHLKSKKGQSTSR

Host: Mouse

Epitope: This antibody binds to an epitope located within the peptide sequence EYFTLQIRGRERFEM as determined by overlapping synthetic peptides.

Reactivity: Human

Applications: IF, IHC-P, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Purification: Protein A purification

Isotype: IgG1

Recommend Usage: Immunofluorescence (1-4 ug/mL)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500)
Western Blot (1:500-1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 7157

Gene Symbol: TP53

Gene Alias: FLJ92943, LFS1, TRP53, p53

Gene Summary: This gene encodes tumor protein p53, which responds to diverse cellular stresses to regulate target genes that induce cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. p53 protein is expressed at low level in normal cells and at a high level in a variety of transformed cell lines, where it's believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. It is postulated to bind to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor. Mutants of p53 that frequently occur in a number of different human cancers fail to bind the consensus DNA binding site, and hence cause the loss of tumor suppressor activity. Alterations of this gene occur not only as somatic mutations in human malignancies, but also as germline mutations in some cancer-prone families with Li-Fraumeni syndrome. Multiple p53 variants due to alternative promoters and multiple alternative splicing have been found. These variants encode distinct isoforms, which can regulate p53 transcriptional activity. [provided by RefSeq]

References:
1. Downregulation of the cancer susceptibility protein WRAP53? in epithelial ovarian cancer leads to defective DNA repair and poor clinical outcome. Hedstrom E, Pederiva C, Farnebo J, Nodin B, Jirstrom K, Brennan DJ, Farnebo M. Cell Death Dis. 2015 Oct 1;6:e1892. doi: 10.1038/cddis.2015.250.