

Anti-p53 [Pab 1802]

Catalogue number: 151145

Sub-type: Primary antibody

Images: <https://9406360.fs1.hubspotusercontent-na1.net/hubfs/9406360/Product%20Images/Antibodies/151145%20765x500.png>

Contributor

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Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-p53 [Pab 1802]

Alternate name: Tumor Protein P53; Phosphoprotein P53; Antigen NY-CO-13; P53; Transformation-Related Protein 53; Mutant Tumor Protein 53; Li-Fraumeni Syndrome; P53 Tumor Suppressor; Tumor Suppressor P53; TRP53; BCC7; LFS1

Class: Monoclonal

Conjugate: Unconjugated

Description: Pab 1802 is a monoclonal antibody for p53. Pab 1802 recognises an epitope on the C-terminus of p53 in both the wild-type and mutant p53. Pab 1802 has been used to show the expression of human p53 cDNA in cos-I cells.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human ; Mouse

Selectivity:

Host: Mouse

Immunogen: P53-beta galactosidase fusion protein

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: MDA-MB-231 cell line

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: p53

Target alternate names:

Target background: p53 is a crucial tumour suppressor involved in over 50% of cancers. It acts as a stress-responsive transcription factor and plays a vital role in regulating cell cycle arrest, promoting apoptosis, maintaining genomic stability, controlling the cell cycle, and inhibiting angiogenesis. Known as the "guardian of the genome," p53 prevents gene mutations.

Mutations in the p53 gene are common in human cancers, resulting in dysfunctional proteins unable to bind to DNA. This loss of fun...

Molecular weight: 53 kDa

Ic50:

Applications

Application: ELISA ; IHC ; IP ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Beckerman et al. 2016. Cell Cycle. :1-14. PMID: 27210019. ; Loughery et al. 2014. Nucleic Acids Res. 42(12):7666-80. PMID: 24928858. ; Thomas et al. 2013. J Biol Chem. 288(11):7606-17. PMID: 23341460. ; Thomas et al. 2012. PLoS One. 7(5):e36447. PMID: 22590546. ; Masters et al. 2003. J Pathol. 200(1):74-81. PMID: 12692844. ; Wolff et al. 2001. Oncogene. 20(11):1307-17. PMID: 11313875. ; Said et al. 1992. Am J Pathol. 141(6):1343-8. PMID: 1466398. ; Porter et al. 1992. Am J Pathol. 140(1):145-53. PMID: 1731521. ; Cattoretti et al. 1988. Int J Cancer. 41(2):178-83. PMID: 3276632. ; Banks et al. 1986. Eur J Biochem. 159(3):529-34. PMID: 2428616.

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