Anti-p53 [Pab DO-7]

Catalogue number: 151293
Sub-type: Primary antibody
Images:

Contributor

Inventor: David Lane
Institute: University of Dundee
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-p53 [Pab DO-7]

Alternate name:

Class: Monoclonal
Conjugate: Unconjugated
Description: A monoclonal p53 antibody, the epitope recognised by DO-7 is in the N terminus of p53. DO-7 can detect wild-type and mutant p53. DO-7 recognises three of the p53 isoforms (p53, p53Î?, p53Î?).
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG2b
Reactivity: Human
Selectivity:
Host: Mouse
Immunogen: p53
Immunogen UNIPROT ID: P04637
Sequence:
Growth properties:
Production details:
Formulation:
Recommended controls: MDA-MB-231 cell line
Bacterial resistance:
Selectable markers:

Additional notes:

Target details

Target: p53 (N terminus)

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 ; FACS ; IHC ; IF ; 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: Store at -20° C frozen. Avoid repeated freeze / thaw cycles
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Sonnemann et al. 2011. Eur J Cancer. 47(9):1432-41. PMID: 21334198. ; Zaman et al. 2007. Cancer Res. 67(20):10078-86. PMID: 17942942. ; Stephen et al. 1995. J Mol Biol. 248(1):58-78. PMID: 7537340. ; Vojtesek et al. 1992. J Immunol Methods. 151(1-2):237-44. PMID: 1378473.