

Anti-p53 [Pab 1801]

Catalogue number: 151144

Sub-type: Primary antibody

Images:

Contributor

Inventor: Lawrence Banks

Institute: Cancer Research UK, London Research Institute: Lincoln's Inn Fields

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-p53 [Pab 1801]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: p53 is a stress-regulated transcription factor that regulates cell cycle arrest. Mutation of p53 is the most common genetic change so far identified in several major carcinomas. Pab 1801 is a monoclonal antibody for p53. Pab 1801 can be used for the specific detection of human p53 that is synthesised in the presence of p53 from other species. Pab 1801, recognises an epitope between amino acids 32 and 79 of both wild-type and mutant p53.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Purified p53-b-galactosidase fusion proteins

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: ChIP ; ELISA ; FACS ; IHC ; IF ; IP ; RIA ; 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: Nayak et al. 2007. Cancer Res. 67(12):5831-9. PMID: 17575151. ; Effect of a single nucleotide polymorphism in the murine double minute 2 promoter (SNP309) on the sensitivity to topoisomerase II-targeting drugs. ; Leppard et al. 1984. J Virol. 50(2):457-64. PMID: 6323746. ; An oligomeric form of simian virus 40 large T-antigen is immunologically related to the cellular tumor antigen p53. ; Leppard et al. 1983. EMBO J. 2(9):1457-64. PMID: 11892796. ; Monoclonal antibodies displaying a novel species specificity for the primate transformation-related protein, p53.

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