

Anti-p53 [Pab 246]

Catalogue number: 151412

Sub-type: Primary antibody

Images:

Contributor

Inventor: David Lane

Institute: Cancer Research UK, London Research Institute: Clare Hall Laboratories

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-p53 [Pab 246]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Anti-p53 clone Pab 246 recognises the tumour antigen p53, also known as p53 tumour suppressor protein or NY-CO-13. p53 is upregulated in response to DNA damage and is found in a wide variety of transformed cells. Mutations in p53 can lead to conformational changes in the protein, exposing different epitopes. Pab 246 binds to the wild-type conformation of p53

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 kappa

Reactivity: Mouse

Selectivity:

Host: Mouse

Immunogen: SV40-transformed cell line Balb/c SVA31 E7.

Immunogen UNIPROT ID: P02340

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: p53 mouse, wild type only

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: 50 kDa

Ic50:

Applications

Application: IHC ; IP

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:

CancerTools.org