# Anti-p53 [DO-13]

**Catalogue number:** 153404
**Sub-type:** Primary antibody
**Images:**

## Contributor

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**Images:**

## Tool details

***FOR RESEARCH USE ONLY**

**Name:** Anti-p53 [DO-13]

**Alternate name:** p53



**Class:** Monoclonal
**Conjugate:** Unconjugated
**Description:** Mouse anti-human p53 antibody, clone DO-13 recognises the human cellular tumour antigen p53, also known as p53 tumour suppressor protein or NY-CO-13. p53 is a 393 amino acid ~53kDa cytoplasmic/ nuclear protein upregulated in response to DNA damage and is found in a wide variety of transformed cells. DO-13 binds to an epitope between amino acids 26-35.
**Purpose:**
**Parental cell:**
**Organism:**
**Tissue:**
**Model:**
**Gender:**
**Isotype:** IgG1
**Reactivity:** Human
**Selectivity:**
**Host:** Mouse
**Immunogen:** Recombinant human p53
**Immunogen UNIPROT ID:**
**Sequence:**
**Growth properties:**
**Production details:**
**Formulation:**
**Recommended controls:**
**Bacterial resistance:**

**Selectable markers:**
**Additional notes:**

## Target details

**Target:** Human TP53 / 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:** IHC ; IP ; WB
**Application notes:**

## Handling

**Format:** Liquid
**Concentration:** 0.9-1.1 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:** Pang et al. 2013. Vet J. 196(3):414-23. PMID: 23219486. ; Fujita et al. 2009. Nat Cell Biol. 11(9):1135-42. PMID: 19701195. ; Bourdon et al. 2005. Genes Dev. 19(18):2122-37. PMID: 16131611. ; Vojtesek et al. 1995. Oncogene. 10(2):389-93. PMID: 7530828.