

## Anti-p53 Antibody (5M213)

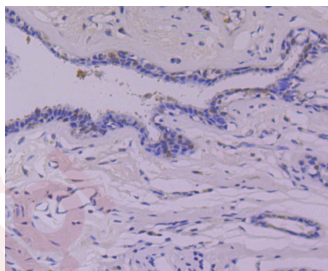
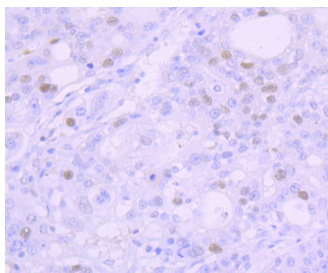
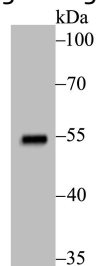
### Product Details

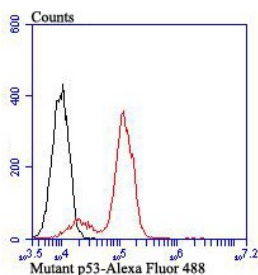
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 53 kDa.
Clone:	5M213
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of p53 on 293 cell using p53 antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue using p53 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using p53 antibody. Counter stained with hematoxylin.
4. Flow cytometric analysis of Daudi cells with p53 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.





Application: FCM,ICC,IF,IHC,IP,WB

Recommended WB: 1:500; IHC: 1:100; ICC: 1:100-500; FCM: 1:50-100

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P04637

### Research Background

Acts as a tumor suppressor in many tumor types; induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. One of the activated genes is an inhibitor of cyclin-dependent kinases. Apoptosis induction seems to be mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. In cooperation with mitochondrial PPIF is involved in activating oxidative stress-induced necrosis; the function is largely independent of transcription. Induces the transcription of long intergenic non-coding RNA p21 (lincRNA-p21) and lincRNA-Mkln1. LincRNA-p21 participates in TP53-dependent transcriptional repression leading to apoptosis and seem to have to effect on cell-cycle regulation. Implicated in Notch signaling cross-over. Prevents CDK7 kinase activity when associated to CAK complex in response to DNA damage, thus stopping cell cycle progression.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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