TP53
Rabbit Anti-Human p53 Affinity Purified pAb

Catalog No.	CPP138	**Quantity:**	100 µg

Description: p53, a 53 kDa protein, binds to a DNA consensus sequence, the p53 response element, and regulates normal cell cycle events by activating transcription of genes involved either in progression through the cell cycle, or causing arrest in G1 when the genome is damaged. In most transformed and tumor cells the concentration of p53 is increased 5 -1000 fold over the concentration in normal cells, principally due to the increased half-life (4 hrs) compared to that of wild-type (20 min). p53 localizes in the nucleus, but is detectable at the plasma membrane during mitosis and certain mutations also modulate cytoplasmic/nuclear distribution. p53 downregulates Bcl-2 expression and upregulates Bax expression, but may not always be necessary for apoptosis.

Concentration: 0.5 mg/ml

Specificity: p53

Host: Rabbit

Immunogen: Synthetic peptide corresponding to residue surrounding amino acid 375 of human p53

Isotype: IgG

Formulation: 100 µg (0.5 mg/ml) affinity purified rabbit anti-p53 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol + 0.5% BSA + 5 mM EDTA + 0.01% thiomersal. **Precaution:** Thiomersal is a poisonous and hazardous substance which should be handled by trained staff only.

Purification: Affinity purified

Cross-Reactivity: Human, mouse, rat, dog, and rabbit

Applications: Western Blot

Application Notes: For Western Blot, use a working dilution of 0.5-4 µg/ml.
Blocking Peptide (Cat. No. CPP138BP) is available separately.
The optimal concentration should be determined by the user for each specific application.
Other applications have not been determined.

Storage & Stability: Store at -20°C or in working aliquots at -80°C for long term storage. **Avoid repeated freeze-thaw cycles.**

Western Blot analysis of p53 in 3T3 (Lane 1) and Jurkat (Lane 2, 3) cell lysates

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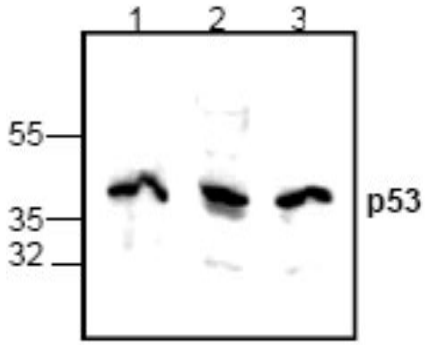

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