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Product Datasheet

Goat anti-P53 antibody

#SB-AAB

Immunogen a 11-aa long N-terminal peptide of P53 protein

Quantity 0.2mg in 0.5mg/ml

Purification Ammonium sulphate precipitation of serum followed by antigen affinity purification

Buffer Tris saline, pH7.3 with 0.02% sodium azide and 0.5% bovine serum albumin

Storage and handling Store at 4°C for short durations. Store at -20°C for longer periods (> 1 month). Minimize freeze thaw cycles

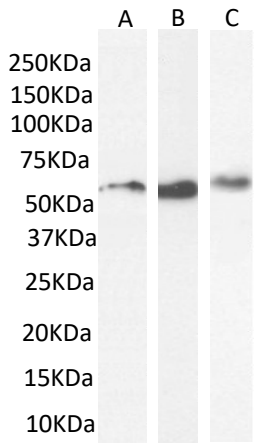
Applications tested

Peptide ELISA: antibody detection at 1:16000 dilution

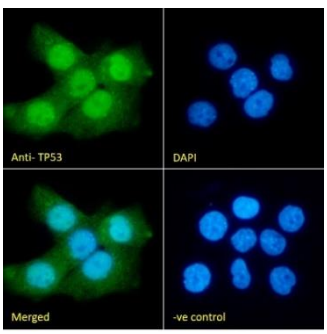
Western blotting: Approx 53 KDa band observed in MDA-MB-231, Hek293T and A431 nuclear cell lysate. Recommended concentration: 0.3-1 µg/ml

Immunofluorescence: Strong expression of the protein seen in the nucleus of A431 cells and MCF7 cells. Recommended concentration: 10µg/ml.

Application notes Please optimize dilutions for your particular assay conditions. Starting test dilution: 1 µg/ml for ELISA and WB and 10 µg/ml for immunofluorescence assay



SB-AAB (0.3-1 µg/ml) staining of MDA-MB-231 (A), Hek293T (B) and A431 (C) nuclear cell lysates (35 µg protein in nuclear extraction buffer). Primary incubation was 1 hour. Detected by chemiluminescence



SB-AAB Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10µg/ml) followed by Alexa Fluor 488 secondary antibody (2µg/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10µg/ml) followed by Alexa Fluor 488 secondary antibody (2µg/ml).