53BP1 (D2) polyclonal antibody

Catalog: AP0418 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The p53 binding proteins 53BP1 and 53BP2 (Bbp) bind to the central DNA-binding domain of wild type p53, but do not bind mutant p53. The central DNA-binding domain of p53 is required for site-specific DNA binding and is frequently mutated in malignant tumors. Binding of 53BP1 to the L3 loop of p53 and of 53BP2 to the L2 loop of p53 confirms that the loop is dependent on p53 conformation. Site-specific binding also suggests that 53BP1 and 53BP2 are involved in p53-mediated tumor suppression. 53BP1 was isolated from H258 cells and is expressed in Jurkat cells in both the cytoplasm and the nucleus. The N-terminus of 53BP2 is localized to the cytoplasm, while the C-terminus might be localized in the nucleus. 53BP1 promotes cell proliferation by binding to p202, whereas 53BP2 induces cell death by binding to Bcl2 and NFkB p65.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 213 kDa

Swiss-Prot:

Q12888

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 100% (by SDS-PAGE).

Applications:

IHC: 1:50~1:200

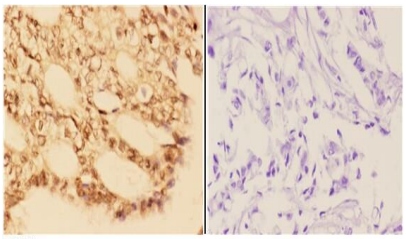
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

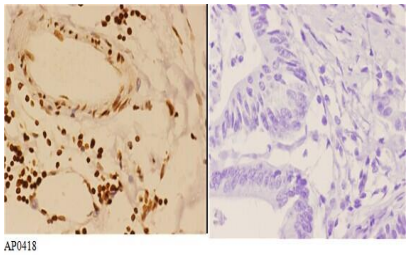
53BP1 (D2) polyclonal antibody detects endogenous levels of 53BP1 protein.

DATA:



AP0418
Lot AA12121

Immunohistochemistry (IHC) analyzes of 53BP1 (D2) pAb in paraffin-embedded human breast carcinoma tissue at 1:50,showing cytoplasmic and nuclear staining.Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



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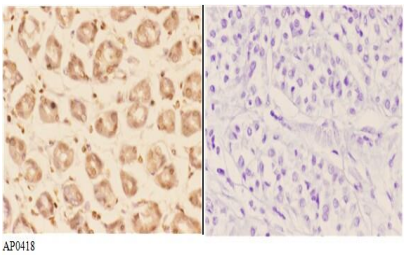
Immunohistochemistry (IHC) analyzes of 53BP1 (D2) pAb in paraffin-embedded human colon carcinoma tissue at 1:50,showing cytoplasmic and nuclear staining.Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



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Immunohistochemistry (IHC) analyzes of 53BP1 (D2) pAb in paraffin-embedded human stomach carcinoma tissue at 1:50,showing cytoplasmic and nuclear staining.Negative control (the right)Using PBS in-

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stead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

For research use only, not for use in diagnostic procedure.

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