

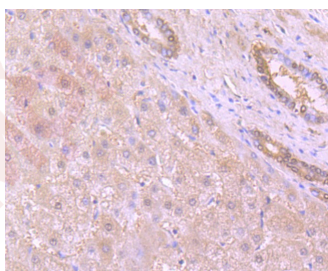
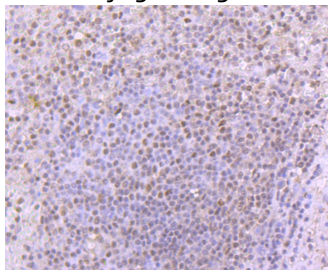
Anti-53BP1 Antibody (3K586)

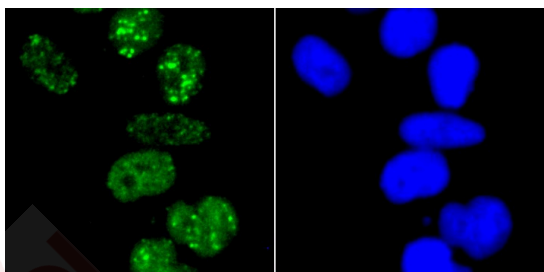
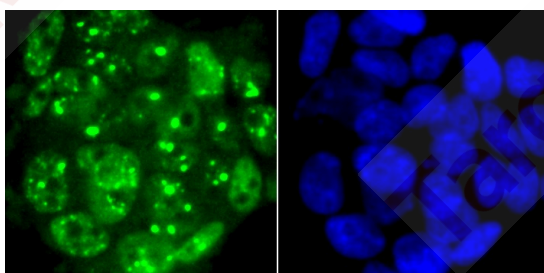
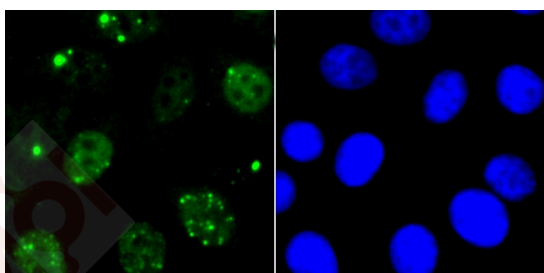
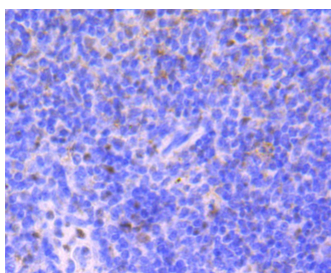
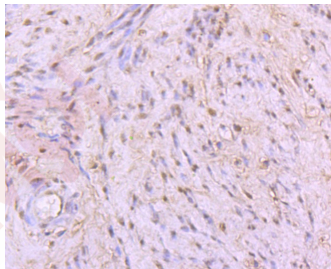
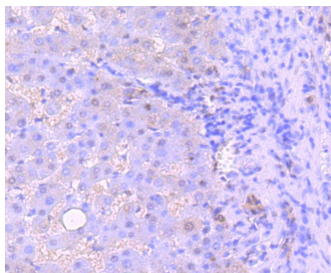
Product Details

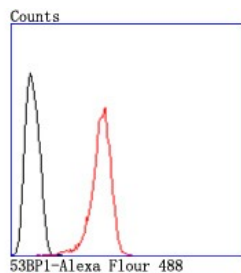
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 214 kDa.
Clone:	3K586
Purification:	ProA affinity purified

Applications

- Verified Activity:
1. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-53BP1 antibody. Counter stained with hematoxylin.
 2. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-53BP1 antibody. Counter stained with hematoxylin.
 3. Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-53BP1 antibody. Counter stained with hematoxylin.
 4. Immunohistochemical analysis of paraffin-embedded human cervix tissue using anti-53BP1 antibody. Counter stained with hematoxylin.
 5. Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-53BP1 antibody. Counter stained with hematoxylin.
 6. ICC staining 53BP1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
 7. ICC staining 53BP1 in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
 8. ICC staining 53BP1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
 9. Flow cytometric analysis of Hela cells with 53BP1 antibody at 1/50 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,WB

Recommended WB: 1:500-1000; IHC: 1:50-200; ICC/IF: 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: Q12888

Synonyms: FLJ41424;p53 BP1;Tumor suppressor p53 binding protein 1;TP53BP1;p202;p53 binding protein 1;TP53 BP1;Tumor protein 53 binding protein 1;TP53B;tumor protein 53-binding protein, 1; Tumor protein p53 binding protein 1;53 BP1;MGC138366

Research 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 NFκB p65.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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