Product Datasheet

53BP1 Rabbit mAb

Catalog No: #49517

Package Size: #49517-1 50ul #49517-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

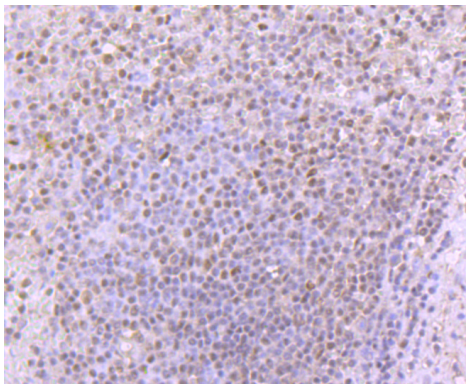
Description

Product Name	53BP1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JA66-11
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	53 BP1 antibody 53BP1 antibody FLJ41424 antibody MGC138366 antibody p202 antibody p53 binding protein 1 antibody p53 BP1 antibody p53-binding protein 1 antibody p53BP1 antibody TP53 BP1 antibody TP53B_HUMAN antibody Tp53bp1 antibody TRP53 BP1 antibody Tumor protein 53 binding protein 1 antibody Tumor protein p53 binding protein 1 antibody Tumor suppressor p53 binding protein 1 antibody Tumor suppressor p53-binding protein 1 antibody
Accession No.	Swiss-Prot#:Q12888
Uniprot	Q12888
GeneID	7158;
Calculated MW	214 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

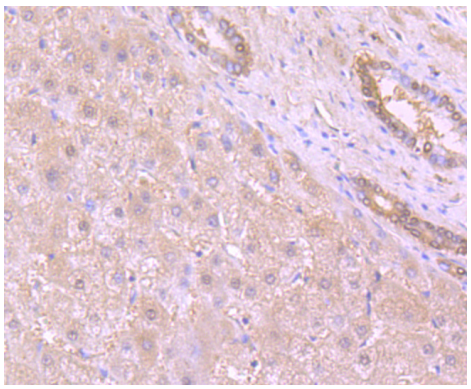
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:100-1:500FC: 1:50-1:100

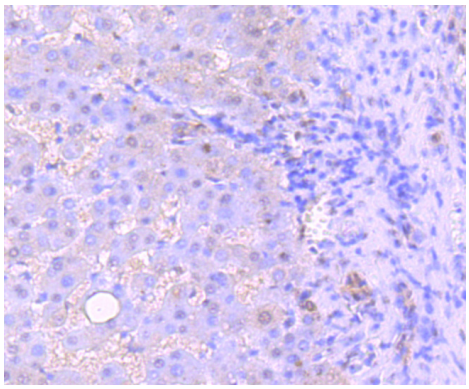
Images



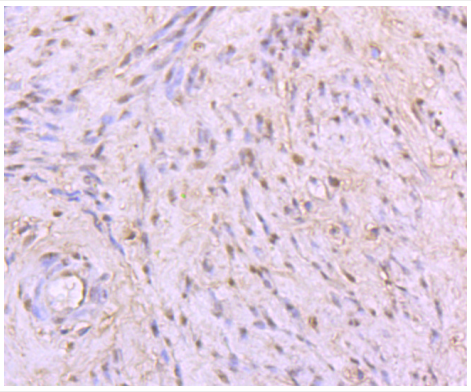
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-53BP1 antibody. Counter stained with hematoxylin.



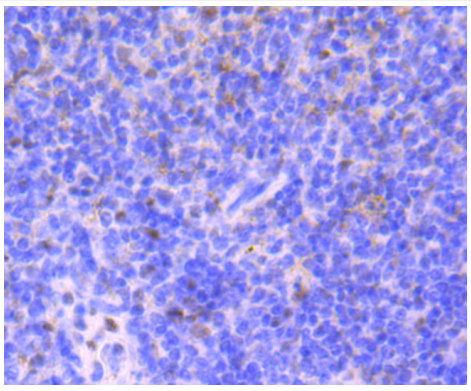
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-53BP1 antibody. Counter stained with hematoxylin.



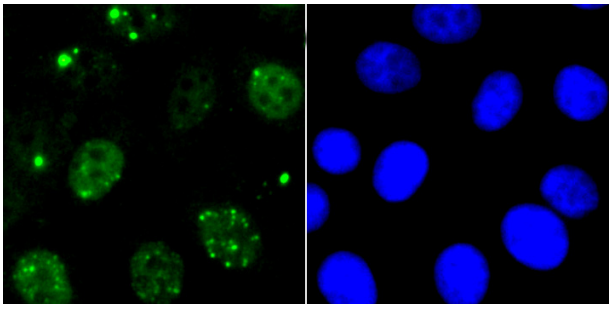
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-53BP1 antibody. Counter stained with hematoxylin.



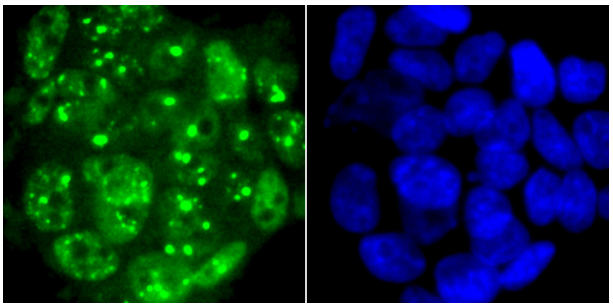
Immunohistochemical analysis of paraffin-embedded human cervix tissue using anti-53BP1 antibody. Counter stained with hematoxylin.



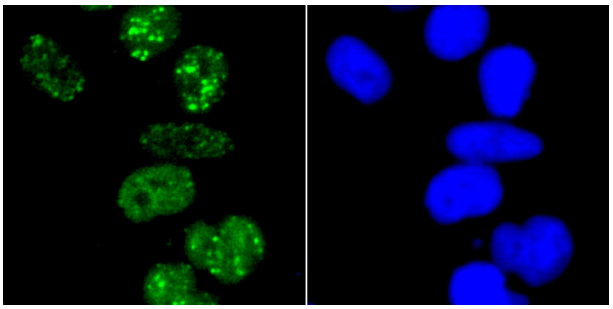
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-53BP1 antibody. Counter stained with hematoxylin.



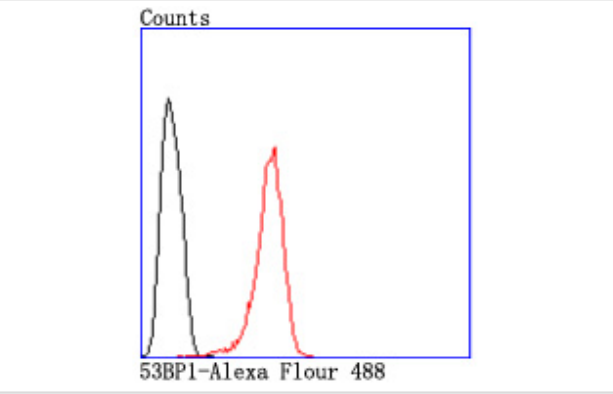
ICC staining 53BP1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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.



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.



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.

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.

References

Note: This product is for in vitro research use only