Data Sheet (Cat.No.TMAC-00289)

Anti-ASPP2 Antibody (2W253)

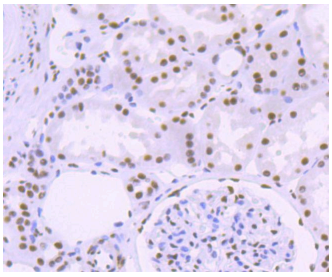
Product Details

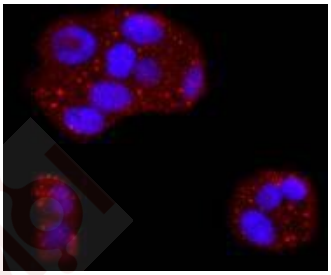
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 150 kDa.
Clone:	2W253
Purification:	ProA affinity purified

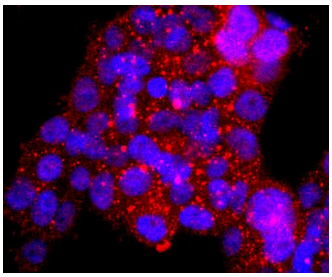
Applications

Verified Activity:

1. Western blot analysis of ASPP2 on different lysates using anti-ASPP2 antibody at 1/1,000 dilution. Positive control: Lane 1: Hela, Lane 2: MCF-7.
2. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-ASPP2 antibody. Counter stained with hematoxylin.
3. ICC staining ASPP2 in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. ICC staining ASPP2 in 293T cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.







Application:	ICC/IF,IHC,WB
Recommended	WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:50-200

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:	Q13625
Synonyms:	Apoptosis stimulating protein of p53 2;Renal carcinoma antigen NY-REN-51;53BP2;p53 binding protein 2;BBP;ASPP 2;p53-binding protein 2;Bcl2 binding protein;Tumor protein p53 binding protein 2;p53BP2;Apoptosis-stimulating of p53 protein 2;Tumor suppressor p53 binding protein 2;Tp53bp2;Bcl2-binding protein;PPP1R13A;ASPP2_HUMAN;Tumor suppressor p53-binding protein 2;NY REN 51 antigen;Apoptosis stimulating of p53 protein 2

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 NFkB p65.

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