ASPP2 Conjugated Antibody

Catalog No: #C49393

Package Size: #C49393-AF350 100ul #C49393-AF405 100ul #C49393-AF488 100ul #C49393-AF555 100ul #C49393-AF594 100ul #C49393-AF647 100ul #C49393-AF680 100ul #C49393-AF750 100ul #C49393-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	ASPP2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	53BP2 antibody Apoptosis stimulating of p53 protein 2 antibody Apoptosis stimulating protein of p53 2 antibody Apoptosis-stimulating of p53 protein 2 antibody ASPP2 antibody ASPP2_HUMAN antibody BBP antibody Bcl2 binding protein antibody Bcl2-binding protein antibody NY REN 51 antigen antibody p53 binding protein 2 antibody p53-binding protein 2 antibody p53BP2 antibody PPP1R13A antibody Renal carcinoma antigen NY-REN-51 antibody Tp53bp2 antibody Tumor protein p53 binding protein 2 antibody Tumor suppressor p53 binding protein 2 antibody Tumor suppressor p53-binding protein 2 antibody
Accession No.	Swiss-Prot#:Q13625
Uniprot	Q13625
GeneID	7159;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	150 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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.

Note: This product is for in vitro research use only