

## ASPP2 Rabbit pAb

CatalogNo: YN1554

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB, ELISA

#### MW

- 124kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-2000**

**ELISA 1:5000-20000**

### Storage

#### Storage\*

-15°C to -25°C/1 year (Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

#### Clonality

Polyclonal

### Immunogen Information

#### Immunogen

Synthesized peptide derived from human protein . at AA range: 60-140

#### Specificity

ASPP2 Polyclonal Antibody detects endogenous levels of protein.

### Target Information

#### Gene name

TP53BP2 ASPP2 BBP

<b>Protein Name</b>	Apoptosis-stimulating of p53 protein 2 (Bcl2-binding protein) (Bbp) (Renal carcinoma antigen NY-REN-51) (Tumor suppressor p53-binding protein 2) (53BP2) (p53-binding protein 2) (p53BP2)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">7159;</a>	<a href="#">Q13625;</a>
	Mouse		<a href="#">Q8CG79;</a>
<b>Cellular Localization</b>	Cytoplasm, perinuclear region. Nucleus. Predominantly found in the perinuclear region. Some small fraction is nuclear. Sequester in the cytoplasm on overexpression of DDX42.		
<b>Tissue specificity</b>	Widely expressed. Expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocyte. Reduced expression in breast carcinomas expressing a wild-type TP53 protein. Overexpressed in lung cancer cell lines.		
<b>Function</b>	Disease:Defects in TP53BP2 may be involved in breast cancer. TP53BP2 is down-regulated in many patients suffering from breast carcinomas and expressing a wild-type TP53 protein. Overexpressed in lung cancer cell lines.,Domain:The ankyrin repeats and the SH3 domain are required for a specific interactions with TP53.,Function:Regulator that plays a central role in regulation of apoptosis and cell growth via its interactions. Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo. Inhibits the ability of APPBP1 to conjugate NEDD8 to CUL1, and thereby decreases APPBP1 ability to induce apoptosis. Impedes cell cycle progression at G2/M.,induction:Following DNA damage induced by UV irradiation. Down-regulated by wild-type, but not mutant, TP53.,similarity:Belongs to the ASPP family.,similarity:Contains 1 SH3 domain.,similarity:Contains 2 ANK repeats.,subcellular location:Predominantly found in the perinuclear region. Some small fraction is nuclear.,subunit:Binds to the central domain of TP53 as well as to BCL2. Interacts with protein phosphatase 1. Interacts with RELA NF-kappa-B subunit. This interaction probably prevents the activation of apoptosis, possibly by preventing its interaction with TP53. Interacts with APC2 and APPBP1.,tissue specificity:Widely expressed. Expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocyte.,		

## Validation Data

## Contact information

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