

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

Protein Name	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)		
	Organism	Gene ID	UniProt ID
	Human	7159;	Q13625;
	Mouse		Q8CG79;
Cellular Localization	Cytoplasm, perinuclear region. Nucleus. Predominantly found in the perinuclear region. Some small fraction is nuclear. Sequester in the cytoplasm on overexpression of DDX42.		
Tissue specificity	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.		
Function	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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