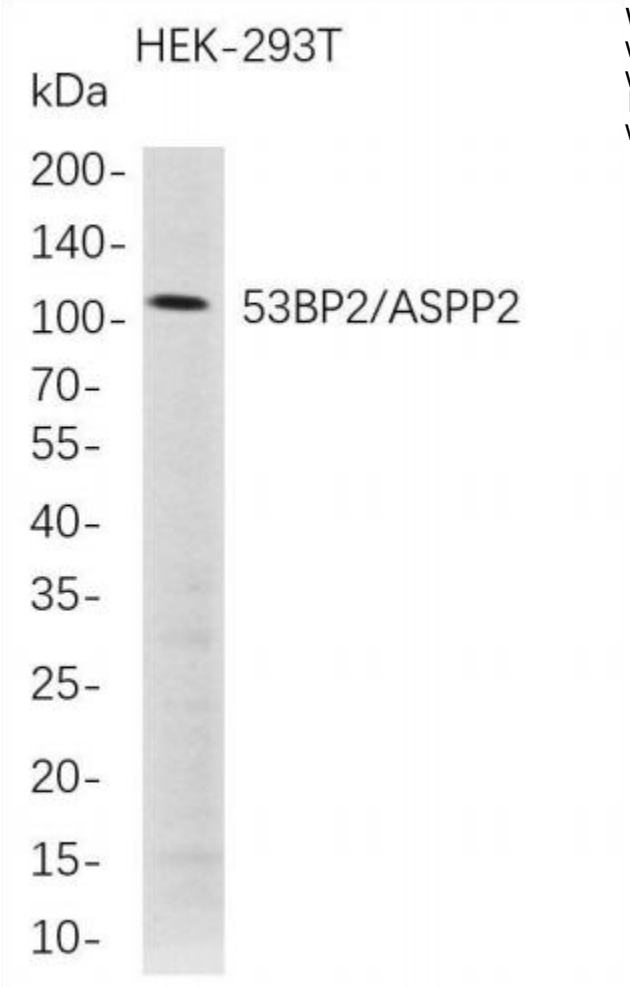
53BP2/ASPP2 Rabbit mAb

Catalog No	YP-rAb-17680
Isotype	IgG
Reactivity	Human
Applications	WB,IHC,IF,ICC
Gene Name	TP53BP2;ASPP2;BBP
Protein Name	Apoptosis-stimulating of p53 protein 2
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:1000-5000; IHC 1:100-300; ICC/IF 1:100-300 Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	TP53BP2 ; ASPP2 ; BBP ; 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 ;
Observed Band	124kD
Calculated Molecular Weight	
Cell Pathway	Cytoplasm, perinuclear region. Nucleus. Note=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. {ECO:0000269|PubMed:10498867, ECO:0000269|PubMed:10631318, ECO:0000269|PubMed:11684014}.
Function	Regulator that plays a central role in regulation of apoptosis and cell growth via its interactions with proteins such as TP53 (PubMed:12524540). Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo. Inhibits the ability of NAE1 to conjugate NEDD8 to CUL1, and thereby decreases NAE1 ability to induce apoptosis. Impedes cell cycle progression at G2/M. Its apoptosis-stimulating activity is inhibited by its

	interaction with DDX42. {ECO:0000269|PubMed:11684014, ECO:0000269|PubMed :12524540, ECO:0000269|PubMed:12694406, ECO:0000269|PubMed: 19377511}.
Background	This gene encodes a member of the ASPP (apoptosis-stimulating protein of p53) family of p53 interacting proteins. The protein contains four ankyrin repeats and an SH3 domain involved in protein-protein interactions. It is localized to the perinuclear region of the cytoplasm, and regulates apoptosis and cell growth through interactions with other regulatory molecules including members of the p53 family. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Western Blot analysis of HEK-293T whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-53BP2/ASPP2 rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.