



Mouse Monoclonal Antibody **53BP1** conjugated to Sepharose Beads

CatalogNo: **ANT8293-S**

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

53BP1 (ANT0056R) Rabbit mAb

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Host Species

- Rabbit

MW

- 214kD (Calculated)
- 450kD (Observed)

Reactivity

- Human,

Isotype

- IgG, Kappa

Applications

- WB, IF, IP, ELISA

Recommended Dilution Ratios

IP

Basic Information

Clonality Monoclonal

Clone Number ANT0056R

Immunogen Information

Specificity Endogenous

Target Information

Gene name TP53BP1
Protein Name Tumor suppressor p53-binding protein 1

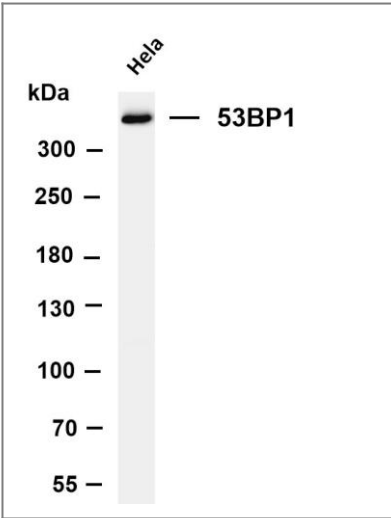
Organism	Gene ID	UniProt ID
Human	7158 ;	Q12888 ;
Mouse	27223 ;	P70399 ;

Cellular Localization Nucleus

Tissue specificity Cerebellum,Cervix,Epithelium,Myeloid leukemia cell,Skeletal muscle,

Function: May have a role in checkpoint signaling during mitosis (By similarity). Enhances TP53-mediated transcriptional activation. Plays a role in the response to DNA damage.,ANTM:Asymmetrically dimethylated on Arg residues by PRMT1. Methylation is required for DNA binding.,PTM:Phosphorylated at basal level in the absence of DNA damage. Hyper-phosphorylated in an ATM-dependent manner in response to DNA damage induced by ionizing radiation. Hyper-phosphorylated in an ATR-dependent manner in response to DNA damage induced by UV irradiation.,similarity:Contains 2 BRCT domains.,subcellular location:Associated with kinetochores. Both nuclear and cytoplasmic in some cells. Recruited to sites of DNA damage, such as double strand breaks. Methylation of histone H4 at 'Lys-20' is required for efficient localization to double strand breaks.,subunit:Interacts with IFI202A (By similarity). Binds to the central domain of TP53/p53. May form homo-oligomers. Interacts with DCLRE1C. Interacts with histone H2AFX and this requires phosphorylation of H2AFX on 'Ser-139'. Interacts with histone H4 that has been dimethylated at 'Lys-20'. Has low affinity for histone H4 containing monomethylated 'Lys-20'. Does not bind histone H4 containing unmethylated or trimethylated 'Lys-20'. Has low affinity for histone H3 that has been dimethylated on 'Lys-79'. Has very low affinity for histone H3 that has been monomethylated on 'Lys-79' (in vitro). Does not bind unmethylated histone H3.,

Validation Data



Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-53BP1 (ANT0056R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Predicted band size: 214kDa Observed band size: 450kDa

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