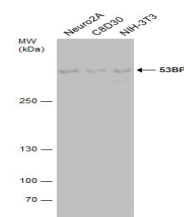


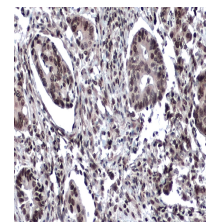
Product Datasheet

53BP1 antibody GRP91

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|----------------------------|---|
| Description | P53-binding protein 1 (53BP1) plays a critical role in tumor suppression and is a putative substrate of ATM kinase. Upon DNA damage, it is phosphorylated and relocalizes to the presumptive sites of damage, specifically, double-strand breaks. This also suggests a role in DNA repair, maintaining genomic stability. |
| Species/Host | Rabbit |
| Reactivity | Human, Mouse |
| Conjugation | Unconjugated |
| Tested Applications | ICC, IF, IHC-P, WB |
| Immunogen | Synthetic peptide corresponding to the carboxy-terminus of h53BP1, conjugated to a carrier protein. |
| Form/Appearance | Liquid: 1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative. |
| Concentration | 5.08 mg/ml |
| Storage | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Note | For research use only. |
| Isotype | IgG |
| Clonality | Polyclonal |
| Purity | Purified by antigen-affinity chromatography. |
| Uniprot ID | Q12888 |
| Entrez | 7158 |
| Dilution Range | WB: 1:500-1:3000, IHC-P: 1:100-1:4000 |



Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with 53BP1 antibody (GRP543) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



53BP1 antibody detects 53BP1 protein at nucleus by immunohistochemical analysis. Sample: Paraffin-embedded human colon cancer. 53BP1 stained by 53BP1 antibody (GRP543) diluted at 1:4000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min